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May 18, 2017

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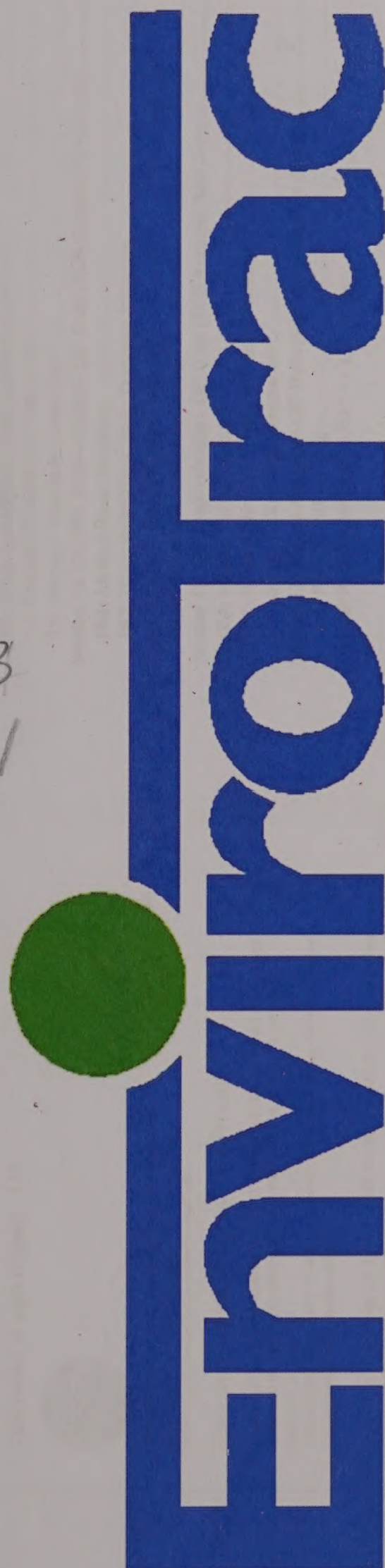
Prepared for:

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c/o The Maggiore Companies
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Woburn, Massachusetts 01801

Prepared by:

EnviroTrac, Ltd.
2 Merchant Street, Suite 2
Sharon, Massachusetts 02067

*A Full Service Environmental Consulting
And Contracting Firm*



Technical Report for

EnviroTrac, Ltd.

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

03.990202.00

SGS Accutest Job Number: MC50190

Sampling Date: 04/19/17

Report to:

EnviroTrac
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ATTN: Craig Blake

Total number of pages in report: 132



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Client Service contact: Robert Soll 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) FL (E87579)
NJ (MA926) PA (6801121) LA (A1171119) ND (R-188) NC (653) IL (002337) WI (399080220)
DoD ELAP (L-A-B L2235)

This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.
Test results relate only to samples analyzed.

H. Madadian
H. (Brad) Madadian
Lab Director

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SGS
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ACCUTEST
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SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: EnviroTrac, Ltd. **Job No** MC50190 **Report Date** 5/1/2017 4:39:11 PM **Site:** Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA 2 Sample(s) were collected on 04/19/2017 and were received at SGS Accutest New England on 04/19/2017 properly preserved, at 8.1 Deg. C and intact. These Samples received a job number of MC50190. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report. Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260C

Matrix: SO	Batch ID: N:VV7075
Analysis performed at SGS Accutest, Dayton, NJ	

Extractables by GCMS By Method SW846 8270D

Matrix: SO	Batch ID: N:OP2255
Analysis performed at SGS Accutest, Dayton, NJ	

Volatiles by GC By Method SW846 8015

Matrix: SO	Batch ID: GBH2507
All samples were analyzed within the recommended method holding time.	
All method blanks for this batch meet method specific criteria.	

Extractables by GC By Method SW846 8081B

Matrix: SO	Batch ID: OP49634
All samples were extracted within the recommended method holding time.	
All samples were analyzed within the recommended method holding time.	
Quadratic regression is employed for initial calibration standard GBE2746-ICC2746, signal #1 for Dieldrin, 4,4'-DDT.	
All method blanks for this batch meet method specific criteria.	
OP49634-BS for gamma-BHC (Lindane): Outside MCP control limits (biased high)	
Continuing calibration check standard GBE2746-CC2746, signal #1, BE54791 for all compounds exceed 20% Dev (biased low) due to possible residual matrix interference. Confirmed by reanalysis	
MC50190-1: Confirmation run	
MC50190-1 for Decachlorobiphenyl: Outside control limits due to matrix interference. Confirmed by reanalysis	
MC50190-2 for Decachlorobiphenyl (sig#2): Outside MCP control limits (biased high)	

Extractables by GC By Method SW846 8082A

Matrix: SO	Batch ID: OP49633
All samples were extracted within the recommended method holding time.	
All samples were analyzed within the recommended method holding time.	
All method blanks for this batch meet method specific criteria.	

Extractables by GC By Method SW846 8151

Matrix: SO	Batch ID: N:OP2180
Analysis performed at SGS Accutest, Dayton, NJ	

Extractables by GC By Method SW846-8015

Matrix: SO	Batch ID: OP49632
All samples were extracted within the recommended method holding time.	
All samples were analyzed within the recommended method holding time.	
All method blanks for this batch meet method specific criteria	
MC50190-1: Confirmation run	
MC50190-1 for o-Terphenyl: Outside control limits due to matrix interference. Confirmed by reanalysis	

Metals By Method SW846 6010C

Matrix: SO	Batch ID: N:MP218
Analysis performed at SGS Accutest, Dayton, NJ	

Metals By Method SW846 7471B

Matrix: SO	Batch ID: N:MP165
Mercury: Analysis performed at SGS Accutest, Dayton, NJ	

Wet Chemistry By Method SM2510B-11M/SW9050AM

Matrix: SO	Batch ID: N:GN62909
Specific Conductivity: Analysis performed at SGS Accutest, Dayton, NJ	

Wet Chemistry By Method SM2540 G-97

Matrix: SO	Batch ID: N:GN62991
Solids, Percent: Analysis performed at SGS Accutest, Dayton, NJ	

Wet Chemistry By Method SW846 1010A/ASTM D93

Matrix: SO	Batch ID: N:GN63115
Ignitability (Flashpoint): Analysis performed at SGS Accutest, Dayton, NJ	

Wet Chemistry By Method SW846 9045D

Matrix: SO	Batch ID: N:GN63066
pH: Analysis performed at SGS Accutest, Dayton, NJ	

Wet Chemistry By Method SW846 CHAP7/9012 B

Matrix: SO	Batch ID: N:GP4822
Cyanide Reactivity: Analysis performed at SGS Accutest, Dayton, NJ	

Wet Chemistry By Method SW846 CHAP7/9034

Matrix: SO	Batch ID: N:GP4821
Sulfide Reactivity: Analysis performed at SGS Accutest, Dayton, NJ	

SGS Accutest New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Laboratory Director for SGS Accutest New England or assignee as verified by the signature on the cover page has authorized the release of this report(MC50190)

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: SGS Accutest New England Job No MC50190
Site: ENVTRAC: Maggioro Somerville, 343 - 351 Summer Street, Somer Report Date 4/28/2017 6:02:04 PM

On 04/20/2017, 2 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS Accutest at a maximum corrected temperature of 3.4 C. Samples were intact and chemically preserved, unless noted below. A SGS Accutest Job Number of MC50190 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.
Please refer to certification exceptions summary for additional certification information.

Volatiles by GCMS By Method SW846 8260C

Matrix: SO	Batch ID: VV7075
<ul style="list-style-type: none">All samples were analyzed within the recommended method holding time.All method blanks for this batch meet method specific criteria.MC50190-1 for 2-Butanone (MEK): Response factor for this compound is below 0.05 in the initial and continuing calibrations.MC50190-1 for Acetone: Response factor for this compound is below 0.05 in the initial and continuing calibrations.	
Matrix: SO	Batch ID: VY7434
<ul style="list-style-type: none">All samples were analyzed within the recommended method holding time.All method blanks for this batch meet method specific criteria.MC50190-2 for Tetrahy drofuran: This compound in the associated CCV is outside the method criteria of 20%, biased high.MC50190-2 for 2-Butanone (MEK): Response factor for this compound is below 0.05 in the initial and continuing calibrations.	

Extractables by GCMS By Method SW846 8270D

Matrix: SO	Batch ID: OP2255
<ul style="list-style-type: none">All samples were extracted within the recommended method holding time.All method blanks for this batch meet method specific criteria.MC50190-1 for 2,4-Dinitrophenol: Quadratic regression was employed for this compound in associated ICAL.MC50190-1 for Benzoic acid: Quadratic regression was employed for this compound in associated ICAL.MC50190-1 for Pentachlorophenol: Quadratic regression was employed for this compound in associated ICAL.MC50190-2 for 2,4-Dinitrophenol: Quadratic regression was employed for this compound in associated ICAL.MC50190-2 for 4,6-Dinitro-o-cresol: Quadratic regression was employed for this compound in associated ICAL.MC50190-2 for Benzoic acid: Quadratic regression was employed for this compound in associated ICAL.MC50190-2 for Pentachlorophenol: Quadratic regression was employed for this compound in associated ICAL.MC50190-1 for 4,6-Dinitro-o-cresol: Quadratic regression was employed for this compound in associated ICAL.	

Extractables by GC By Method SW846 8151

Matrix: SO	Batch ID: OP2180
<ul style="list-style-type: none">All samples were extracted within the recommended method holding time.All method blanks for this batch meet method specific criteria.	

Metals By Method SW846 6010C

Matrix: SO	Batch ID: MP218
<ul style="list-style-type: none">All samples were digested within the recommended method holding timeAll method blanks for this batch meet method specific criteriaSample(s) JC41832-1SDL were used as the QC samples for metalsRPD(s) for Serial Dilution for Lead, Selenium, Silver are outside control limits for sample MP218-SDL. Percent difference acceptable due to low initial sample concentration (< 50 times IDL)	

Metals By Method SW846 7471B

Matrix: SO	Batch ID: MP165
<ul style="list-style-type: none">All samples were digested within the recommended method holding timeAll method blanks for this batch meet method specific criteria	

Wet Chemistry By Method SM2510B-11M/SW9050AM

Matrix: SO	Batch ID: GN62909
<ul style="list-style-type: none">The data for SM2510B-11M/SW9050AM meets quality control requirements	

Wet Chemistry By Method SM2540 G-97

Matrix: SO	Batch ID: GN62991
<ul style="list-style-type: none">The data for SM2540 G-97 meets quality control requirements	

Wet Chemistry By Method SW846 1010A/ASTM D93

Matrix: SO	Batch ID: GN63115
<ul style="list-style-type: none">The data for SW846 1010A/ASTM D93 meets quality control requirements	

Wet Chemistry By Method SW846 9045D

Matrix: SO	Batch ID: GN63066
<ul style="list-style-type: none">The data for SW846 9045D meets quality control requirements	

Wet Chemistry By Method SW846 CHAP7/9012 B

Matrix: SO	Batch ID: GP4822
<ul style="list-style-type: none">All samples were prepared within the recommended method holding timeAll method blanks for this batch meet method specific criteria	

Wet Chemistry By Method SW846 CHAP7/9034

Matrix: SO	Batch ID: GP4821
<ul style="list-style-type: none">All samples were prepared within the recommended method holding timeAll method blanks for this batch meet method specific criteria	

SGS Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria

SGS Accutest is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS Accutest indicated via signature on the report cover

Summary of Hits

Job Number: MC50190
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC50190-1	PL-20 0-18" COMP					
Xylene (total) ^a		0.0012	0.00097		mg/kg	SW846 8260C
Acenaphthene ^a		1.92	0.038		mg/kg	SW846 8270D
Acenaphthylene ^a		1.01	0.038		mg/kg	SW846 8270D
Anthracene ^a		4.37	0.38		mg/kg	SW846 8270D
Benzo(a)anthracene ^a		8.58	0.38		mg/kg	SW846 8270D
Benzo(a)pyrene ^a		7.89	0.38		mg/kg	SW846 8270D
Benzo(b)fluoranthene ^a		9.19	0.38		mg/kg	SW846 8270D
Benzo(g,h,i)perylene ^a		4.11	0.38		mg/kg	SW846 8270D
Benzo(k)fluoranthene ^a		3.70	0.038		mg/kg	SW846 8270D
Butyl benzyl phthalate ^a		2.18	0.076		mg/kg	SW846 8270D
Chrysene ^a		8.23	0.38		mg/kg	SW846 8270D
Dibenzofuran ^a		1.80	0.038		mg/kg	SW846 8270D
bis(2-Ethylhexyl)phthalate ^a		0.0865	0.076		mg/kg	SW846 8270D
Fluoranthene ^a		19.8	0.38		mg/kg	SW846 8270D
Fluorene ^a		2.27	0.038		mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene ^a		4.75	0.38		mg/kg	SW846 8270D
2-Methylnaphthalene ^a		0.598	0.076		mg/kg	SW846 8270D
Naphthalene ^a		0.804	0.038		mg/kg	SW846 8270D
Phenanthrene ^a		16.2	0.38		mg/kg	SW846 8270D
Pyrene ^a		16.9	0.38		mg/kg	SW846 8270D
4,4'-DDT		0.0260	0.0057		mg/kg	SW846 8081B
TPH-DRO (Semi-VOA)		6580	180		mg/kg	SW846 8015
Arsenic ^a		10.4	2.3		mg/kg	SW846 6010C
Barium ^a		40.4	5.7		mg/kg	SW846 6010C
Chromium ^a		13.3	1.1		mg/kg	SW846 6010C
Lead ^a		58.0	2.3		mg/kg	SW846 6010C
Mercury ^a		0.15	0.036		mg/kg	SW846 7471B
Ignitability (Flashpoint) ^a		> 200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity ^a		269	7.5		umhos/cm	SM2510B-11M/SW9050AM
pH ^a		7.56			su	SW846 9045D

MC50190-2 PL-21 0-18" COMP

Acenaphthene ^a	0.920	0.038	mg/kg	SW846 8270D
Acenaphthylene ^a	0.436	0.038	mg/kg	SW846 8270D
Anthracene ^a	2.59	0.038	mg/kg	SW846 8270D
Benzo(a)anthracene ^a	3.15	0.15	mg/kg	SW846 8270D
Benzo(a)pyrene ^a	3.12	0.038	mg/kg	SW846 8270D
Benzo(b)fluoranthene ^a	3.60	0.038	mg/kg	SW846 8270D
Benzo(g,h,i)perylene ^a	1.66	0.038	mg/kg	SW846 8270D
Benzo(k)fluoranthene ^a	1.16	0.038	mg/kg	SW846 8270D
Butyl benzyl phthalate ^a	0.0936	0.076	mg/kg	SW846 8270D

Summary of Hits

Job Number: MC50190
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Analyte						
Chrysene ^a		3.53	0.038		mg/kg	SW846 8270D
Dibenzo(a,h)anthracene ^a		0.495	0.038		mg/kg	SW846 8270D
Dibenzofuran ^a		0.896	0.076		mg/kg	SW846 8270D
Fluoranthene ^a		7.58	0.15		mg/kg	SW846 8270D
Fluorene ^a		1.11	0.038		mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene ^a		1.91	0.038		mg/kg	SW846 8270D
2-Methylnaphthalene ^a		0.444	0.076		mg/kg	SW846 8270D
Naphthalene ^a		0.958	0.038		mg/kg	SW846 8270D
Phenanthrene ^a		8.62	0.15		mg/kg	SW846 8270D
Pyrene ^a		6.95	0.15		mg/kg	SW846 8270D
4,4'-DDT		0.0090	0.0056		mg/kg	SW846 8081B
TPH-DRO (Semi-VOA)		193	18		mg/kg	SW846 8015
Arsenic ^a		7.4	2.2		mg/kg	SW846 6010C
Barium ^a		28.1	5.5		mg/kg	SW846 6010C
Chromium ^a		12.5	1.1		mg/kg	SW846 6010C
Lead ^a		76.7	2.2		mg/kg	SW846 6010C
Mercury ^a		0.068	0.034		mg/kg	SW846 7471B
Ignitability (Flashpoint) ^a		> 200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity ^a		168	7.5		umhos/cm	SM2510B-11M/SW9050AM
pH ^a		6.92			su	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

Sample Results

Report of Analysis

SGS Accutest

Report of Analysis

Page 1 of 3

Client Sample ID:	PL 20 0 18" COMP	Date Sampled:	04/19/17
Lab Sample ID:	MC50190 1	Date Received:	04/19/17
Matrix:	SO - Soil	Percent Solids:	87.1
Method:	SW846 8260C		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 a	V168153A.D	I	04/25/17	ANJ	n/a	N:VV7075
Run #2						

	Initial Weight
Run #1	5.9 g
Run #2	

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone ^b	ND	0.0097	mg/kg	
71-43-2	Benzene	ND	0.0049	mg/kg	
108-86-1	Bromobenzene	ND	0.0049	mg/kg	
74-97-5	Bromochloromethane	ND	0.0049	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0019	mg/kg	
75-25-2	Bromoform	ND	0.0049	mg/kg	
74-83-9	Bromomethane	ND	0.0049	mg/kg	
78-93-3	2-Butanone (MEK) ^b	ND	0.0097	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0019	mg/kg	
135-98-8	sec Butylbenzene	ND	0.0019	mg/kg	
98-06-6	tert Butylbenzene	ND	0.0019	mg/kg	
75-15-0	Carbon disulfide	ND	0.0019	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0019	mg/kg	
108-90-7	Chlorobenzene	ND	0.0019	mg/kg	
75-00-3	Chloroethane	ND	0.0049	mg/kg	
67-66-3	Chloroform	ND	0.0019	mg/kg	
74-87-3	Chloromethane	ND	0.0049	mg/kg	
95-49-8	o Chlorotoluene	ND	0.0019	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0019	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0019	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0019	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0019	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0097	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0097	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0097	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0097	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0049	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0097	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0097	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0097	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0097	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0097	mg/kg	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL-20 0-18" COMP	Date Sampled:	04/19/17
Lab Sample ID:	MC50190 1	Date Received:	04/19/17
Matrix:	SO - Soil	Percent Solids:	87.1
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.1 4

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78 87 5	1,2 Dichloropropane	ND	0.0019	mg/kg	
142 28 9	1,3-Dichloropropane	ND	0.0019	mg/kg	
594 20 7	2,2-Dichloropropane	ND	0.0019	mg/kg	
563 58 6	1,1 Dichloropropane	ND	0.0019	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0019	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0019	mg/kg	
123-91-1	1,4-Dioxane	ND	0.12	mg/kg	
60 29 7	Ethyl Ether	ND	0.0019	mg/kg	
100 41 4	Ethylbenzene	ND	0.00097	mg/kg	
87 68 3	Hexachlorobutadiene	ND	0.0049	mg/kg	
591-78-6	2-Hexanone	ND	0.0049	mg/kg	
98 82 8	Isopropylbenzene	ND	0.0019	mg/kg	
99 87 6	p-Isopropyltoluene	ND	0.0019	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00097	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0049	mg/kg	
74-95-3	Methylene bromide	ND	0.0049	mg/kg	
75 09 2	Methylene chloride	ND	0.0049	mg/kg	
91-20-3	Naphthalene	ND	0.0049	mg/kg	
103 65 1	n Propylbenzene	ND	0.0019	mg/kg	
100 42 5	Styrene	ND	0.0019	mg/kg	
994 05 8	tert Amyl Methyl Ether	ND	0.0019	mg/kg	
637 92 3	tert-Butyl Ethyl Ether	ND	0.0019	mg/kg	
630 20 6	1,1,1,2 Tetrachloroethane	ND	0.0019	mg/kg	
79 34 5	1,1,2,2 Tetrachloroethane	ND	0.0019	mg/kg	
127 18 4	Tetrachloroethene	ND	0.0019	mg/kg	
109 99 9	Tetrahydrofuran	ND	0.0097	mg/kg	
108 88 3	Toluene	ND	0.00097	mg/kg	
87 61 6	1,2,3 Trichlorobenzene	ND	0.0049	mg/kg	
120 82 1	1,2,4-Trichlorobenzene	ND	0.0049	mg/kg	
71 55 6	1,1,1 Trichloroethane	ND	0.0019	mg/kg	
79 00 5	1,1,2 Trichloroethane	ND	0.0019	mg/kg	
79 01 6	Trichloroethene	ND	0.00097	mg/kg	
75 69 4	Trichlorofluoromethane	ND	0.0049	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0049	mg/kg	
95 63 6	1,2,4-Trimethylbenzene	ND	0.0019	mg/kg	
108 67 8	1,3,5-Trimethylbenzene	ND	0.0019	mg/kg	
75 01 4	Vinyl chloride	ND	0.0019	mg/kg	
	m,p-Xylene	ND	0.00097	mg/kg	
95-47-6	o-Xylene	ND	0.00097	mg/kg	
1330 20 7	Xylene (total)	0.0012	0.00097	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL-20 0-18" COMP	Date Sampled:	04/19/17
Lab Sample ID:	MC50190 1	Date Received:	04/19/17
Matrix:	SO - Soil	Percent Solids:	87.1
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868 53 7	Dibromofluoromethane	104%		70 122%
17060 07 0	1,2-Dichloroethane-D4	93%		68 124%
2037-26-5	Toluene-D8	97%		77 125%
460 00 4	4 Bromofluorobenzene	94%		72 130%

(a) Analysis performed at SGS Accutest, Dayton, NJ.
(b) Response factor for this compound is below 0.05 in the initial and continuing calibrations.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL 20 0 18" COMP	Date Sampled:	04/19/17
Lab Sample ID:	MC50190-1	Date Received:	04/19/17
Matrix:	SO - Soil	Percent Solids:	87.1
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3E92887.D	1	04/28/17	ANJ	04/26/17	N:OP2255	N:E3E4131
Run #2 ^a	3E92901.D	10	04/28/17	ANJ	04/26/17	N:OP2255	N:E3E4132

Run #	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2	30.4 g	1.0 ml

ABN Semivolatiles MCP list

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid ^b	ND	0.76	mg/kg	
95-57-8	2-Chlorophenol	ND	0.076	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.19	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.19	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.19	mg/kg	
51-28-5	2,4-Dinitrophenol ^b	ND	0.19	mg/kg	
534-52-1	4,6-Dinitro-o-cresol ^b	ND	0.19	mg/kg	
95-48-7	2-Methylphenol	ND	0.076	mg/kg	
88-75-5	3&4-Methylphenol	ND	0.076	mg/kg	
100-02-7	2-Nitrophenol	ND	0.19	mg/kg	
87-86-5	4-Nitrophenol	ND	0.38	mg/kg	
108-95-2	Pentachlorophenol ^b	ND	0.15	mg/kg	
95-95-4	Phenol	ND	0.076	mg/kg	
88-06-2	2,4,5-Trichlorophenol	ND	0.19	mg/kg	
83-32-9	Acenaphthene	1.92	0.038	mg/kg	
208-96-8	Acenaphthylene	1.01	0.038	mg/kg	
98-86-2	Acetophenone	ND	0.19	mg/kg	
62-53-3	Aniline	ND	0.076	mg/kg	
120-12-7	Anthracene	4.37 ^c	0.38	mg/kg	
56-55-3	Benzo(a)anthracene	8.58 ^c	0.38	mg/kg	
50-32-8	Benzo(a)pyrene	7.89 ^c	0.38	mg/kg	
205-99-2	Benzo(b)fluoranthene	9.19 ^c	0.38	mg/kg	
191-24-2	Benzo(g,h,i)perylene	4.11 ^c	0.38	mg/kg	
207-08-9	Benzo(k)fluoranthene	3.70	0.038	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.076	mg/kg	
85-68-7	Butyl benzyl phthalate	2.18	0.076	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.076	mg/kg	
106-47-8	4-Chloroaniline	ND	0.19	mg/kg	
218-01-9	Chrysene	8.23 ^c	0.38	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.076	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.076	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL 20 0 18" COMP	Date Sampled:	04/19/17
Lab Sample ID:	MC50190-1	Date Received:	04/19/17
Matrix:	SO - Soil	Percent Solids:	87.1
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN Semivolatiles MCP list

CAS No.	Compound	Result	RL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.076	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.076	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.076	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.076	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.076	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.076	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.038	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.038	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.076	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	1.80	0.038	mg/kg	
132-64-9	Dibenzofuran	1.64	0.076	mg/kg	
84-74-2	Di n butyl phthalate	ND	0.076	mg/kg	
117-84-0	Di n octyl phthalate	ND	0.076	mg/kg	
84-66-2	Diethyl phthalate	ND	0.076	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.076	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.0865	0.076	mg/kg	
206-44-0	Fluoranthene	19.8 ^c	0.38	mg/kg	
86-73-7	Fluorene	2.27	0.038	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.076	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.038	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.38	mg/kg	
67-72-1	Hexachloroethane	ND	0.19	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	4.75 ^c	0.38	mg/kg	
78-59-1	Isophorone	ND	0.076	mg/kg	
91-57-6	2-Methylnaphthalene	0.598	0.076	mg/kg	
91-20-3	Naphthalene	0.804	0.038	mg/kg	
98-95-3	Nitrobenzene	ND	0.076	mg/kg	
62-75-9	n-Nitrosodimethylamine	ND	0.076	mg/kg	
621-64-7	N-Nitroso di n propylamine	ND	0.076	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.19	mg/kg	
85-01-8	Phenanthrene	16.2 ^c	0.38	mg/kg	
129-00-0	Pyrene	16.9 ^c	0.38	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.076	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	56%	50%	23-115%
4165-62-2	Phenol-d5	57%	48%	27-114%
118-79-6	2,4,6-Tribromophenol	82%	53%	19-152%
4165-60-0	Nitrobenzene-d5	59%	46%	26-134%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL-20 0-18" COMP	Date Sampled:	04/19/17
Lab Sample ID:	MC50190 1	Date Received:	04/19/17
Matrix:	SO Soil	Percent Solids:	87.1
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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ABN Semivolatiles MCP list

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321 60 8	2 Fluorobiphenyl	70%	52%	39 124%
1718-51-0	Terphenyl-d14	69%	53%	36-134%

- (a) Analysis performed at SGS Accutest, Dayton, NJ.
(b) Quadratic regression was employed for this compound in associated ICAL..
(c) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL-20 0-18" COMP	Date Sampled:	04/19/17
Lab Sample ID:	MC50190 1	Date Received:	04/19/17
Matrix:	SO Soil	Percent Solids:	87.1
Method:	SW846 8015		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	BH41674.D	1	04/20/17	AF	n/a	n/a	GBH2507

Run #1	Initial Weight	Final Volume	Methanol Aliquot
Run #2	15.8 g	15.0 ml	100 ul

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	6.2	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
	2,3,4 Trifluorotoluene	95%		64-127%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL 20 0-18" COMP	Date Sampled:	04/19/17
Lab Sample ID:	MC50190-1	Date Received:	04/19/17
Matrix:	SO - Soil	Percent Solids:	87.1
Method:	SW846 8081B SW846 3546		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE54781.D	1	04/26/17	AP	04/20/17	OP49634	GBE2746
Run #2 a	BE54749.D	1	04/25/17	AP	04/20/17	OP49634	GBE2745

Run #	Initial Weight	Final Volume
Run #1	20.2 g	10.0 ml
Run #2	20.2 g	10.0 ml

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0057	mg/kg	
319-84-6	alpha-BHC	ND	0.0057	mg/kg	
319 85 7	beta BHC	ND	0.0057	mg/kg	
319-86-8	delta-BHC	ND	0.0057	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.057	mg/kg	
60-57-1	Dieldrin	ND	0.0057	mg/kg	
72 54 8	4,4' DDD	ND	0.0057	mg/kg	
72 55-9	4,4'-DDE	ND	0.0057	mg/kg	
50-29-3	4,4'-DDT	0.0260	0.0057	mg/kg	
72-20-8	Endrin	ND	0.0057	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0057	mg/kg	
959-98-8	Endosulfan-I	ND	0.0057	mg/kg	
33213-65-9	Endosulfan II	ND	0.0057	mg/kg	
76-44-8	Heptachlor	ND	0.0057	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0057	mg/kg	
118 74 1	Hexachlorobenzene	ND	0.0057	mg/kg	
72-43-5	Methoxychlor	ND	0.0057	mg/kg	
53494-70-5	Endrin ketone	ND	0.0057	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%	73%	10-143%
877-09-8	Tetrachloro-m-xylene	54%	56%	10-143%
2051-24-3	Decachlorobiphenyl	1130% ^b	1061% ^b	10-172%
2051 24 3	Decachlorobiphenyl	910% ^b	1072% ^b	10-172%

- (a) Confirmation run.
(b) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL-20 0-18" COMP	Date Sampled:	04/19/17
Lab Sample ID:	MC50190-1	Date Received:	04/19/17
Matrix:	SO - Soil	Percent Solids:	87.1
Method:	SW846 8082A SW846 3546		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65268.D	1	04/25/17	AP	04/20/17	OP49633	GBK2084
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.2 g	10.0 ml
Run #2		

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.028	mg/kg	
11104-28-2	Aroclor 1221	ND	0.028	mg/kg	
11141 16 5	Aroclor 1232	ND	0.028	mg/kg	
53469-21-9	Aroclor 1242	ND	0.028	mg/kg	
12672 29-6	Aroclor 1248	ND	0.028	mg/kg	
11097-69-1	Aroclor 1254	ND	0.028	mg/kg	
11096-82-5	Aroclor 1260	ND	0.028	mg/kg	
37324 23 5	Aroclor 1262	ND	0.028	mg/kg	
11100-14-4	Aroclor 1268	ND	0.028	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		25-145%
877 09 8	Tetrachloro-m-xylene	52%		25-145%
2051-24-3	Decachlorobiphenyl	137%		25-179%
2051 24 3	Decachlorobiphenyl	96%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL 20 0 18" COMP	Date Sampled:	04/19/17
Lab Sample ID:	MC50190-1	Date Received:	04/19/17
Matrix:	SO - Soil	Percent Solids:	87.1
Method:	SW846 8151 SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	OAI25695.D	2	04/25/17	ANJ	N:OP2180	N:GOA4296
Run #2						

Initial Weight	Final Volume
Run #1 15.3 g	5.0 ml
Run #2	

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.038	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0075	mg/kg	
93-76-5	2,4,5-T	ND	0.0075	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
19719 28-9	2,4 DCAA	40%		10-159%	
19719 28-9	2,4 DCAA	41%		10-159%	

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL 20 0 18" COMP	Date Sampled:	04/19/17
Lab Sample ID:	MC50190-1	Date Received:	04/19/17
Matrix:	SO - Soil	Percent Solids:	87.1
Method:	SW846-8015 SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	CR4857.D	1	04/25/17	AP	OP49632	CCR1293
Run #2	CR4858.D	10	04/25/17	AP	OP49632	GCR1293

Initial Weight	Final Volume
Run #1 15.8 g	1.0 ml
Run #2 15.8 g	1.0 ml

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	6580 ^b	180	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	134% ^c	163% ^c	17-130%	

(a) Confirmation run.
(b) Result is from Run# 2
(c) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PL 20 0 18" COMP

Lab Sample ID: MC50190-1

Matrix: SO - Soil

Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 04/19/17

Date Received: 04/19/17

Percent Solids: 87.1

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Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic ^a	10.4	2.3	mg/kg	1	04/25/17	04/26/17	ANJ	SW846 3050B 4
Barium ^a	40.4	5.7	mg/kg	1	04/25/17	04/26/17	ANJ	SW846 3050B 4
Cadmium ^a	<0.57	0.57	mg/kg	1	04/25/17	04/26/17	ANJ	SW846 3050B 4
Chromium ^a	13.3	1.1	mg/kg	1	04/25/17	04/26/17	ANJ	SW846 3050B 4
Lead ^a	58.0	2.3	mg/kg	1	04/25/17	04/26/17	ANJ	SW846 3050B 4
Mercury ^a	0.15	0.036	mg/kg	1	04/22/17	04/22/17	ANJ	SW846 7471B 3
Selenium ^a	<2.3	2.3	mg/kg	1	04/25/17	04/26/17	ANJ	SW846 3050B 4
Silver ^a	<0.57	0.57	mg/kg	1	04/25/17	04/26/17	ANJ	SW846 6010C 2

- (1) Instrument QC Batch: N:MA41837
(2) Instrument QC Batch: N:MA41883
(3) Prep QC Batch: N:MP165
(4) Prep QC Batch: N:MP218

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: PL-20 0-18" COMP

Lab Sample ID: MC50190-1

Matrix: SO - Soil

Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 04/19/17

Date Received: 04/19/17

Percent Solids: 87.1

4.1 4

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity ^a	<11	11	mg/kg	1	04/24/17 12:28	ANJ	SW846 CIAP7/9012 B
Ignitability (Flashpoint) ^a	>200		Deg. F	1	04/25/17 23:30	ANJ	SW846 1010A/ASTM D93
Solids, Percent ^a	87.1		%	1	04/23/17 12:00	ANJ	SM2540 C-97
Specific Conductivity ^a	269	7.5	umhos/cm	1	04/21/17 04:43	ANJ	SM2510B-11M SW9050AM
Sulfide Reactivity ^a	<110	110	mg/kg	1	04/23/17 16:00	ANJ	SW846 C IAP7 9031
pH ^a	7.56		su	1	04/25/17 13:06	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PL 21 0 18" COMP	Date Sampled:	04/19/17
Lab Sample ID:	MC50190-2	Date Received:	04/19/17
Matrix:	SO - Soil	Percent Solids:	87.4
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	Y171818.D	04/25/17	ANJ	n/a	n/a	N:VY7434
Run #2						

Run #1	Initial Weight
Run #2	6.0 g

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	0.0095	mg/kg	
71-43-2	Benzene	ND	0.00048	mg/kg	
108-86-1	Bromobenzene	ND	0.0048	mg/kg	
74-97-5	Bromochloromethane	ND	0.0048	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0019	mg/kg	
75-25-2	Bromoform	ND	0.0048	mg/kg	
74-83-9	Bromomethane	ND	0.0048	mg/kg	
78-93-3	2-Butanone (MEK) ^b	ND	0.0095	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0019	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0019	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0019	mg/kg	
75-15-0	Carbon disulfide	ND	0.0019	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0019	mg/kg	
108-90-7	Chlorobenzene	ND	0.0019	mg/kg	
75-00-3	Chloroethane	ND	0.0048	mg/kg	
67-66-3	Chloroform	ND	0.0019	mg/kg	
74-87-3	Chloromethane	ND	0.0048	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0019	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0019	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0019	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0019	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0019	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0095	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0095	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0095	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0095	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0048	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0095	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0095	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0095	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0095	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0095	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL 21 0 18" COMP	Date Sampled:	04/19/17
Lab Sample ID:	MC50190-2	Date Received:	04/19/17
Matrix:	SO - Soil	Percent Solids:	87.4
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	0.0019	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0019	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0019	mg/kg	
563-58-6	1,1-Dichloropropane	ND	0.0019	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0019	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0019	mg/kg	
123-91-1	1,4-Dioxane	ND	0.12	mg/kg	
60-29-7	Ethyl Ether	ND	0.0019	mg/kg	
100-41-4	Ethylbenzene	ND	0.00095	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0048	mg/kg	
591-78-6	2-Hexanone	ND	0.0048	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0019	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0019	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00095	mg/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	0.0048	mg/kg	
74-95-3	Methylene bromide	ND	0.0048	mg/kg	
75-09-2	Methylene chloride	ND	0.0048	mg/kg	
91-20-3	Naphthalene	ND	0.0048	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0019	mg/kg	
100-42-5	Styrene	ND	0.0019	mg/kg	
994-05-8	tert-Amyl Methyl Ether	ND	0.0019	mg/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	0.0019	mg/kg	
630-20-6	1,1,2-Tetrachloroethane	ND	0.0019	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0019	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0019	mg/kg	
109-99-9	Tetrahydrofuran ^c	ND	0.0095	mg/kg	
108-88-3	Toluene	ND	0.00095	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0048	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0048	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0019	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0019	mg/kg	
79-01-6	Trichloroethene	ND	0.00095	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0048	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0048	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0019	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0019	mg/kg	
75-01-4	Vinyl chloride	ND	0.0019	mg/kg	
	m,p-Xylene	ND	0.00095	mg/kg	
95-47-6	o-Xylene	ND	0.00095	mg/kg	
1330-20-7	Xylene (total)	ND	0.00095	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL-21 0-18" COMP	Date Sampled:	04/19/17
Lab Sample ID:	MC50190-2	Date Received:	04/19/17
Matrix:	SO - Soil	Percent Solids:	87.4
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868 53 7	Dibromofluoromethane	101%		70-122%
17060-07-0	1,2-Dichloroethane-D4	96%		68-124%
2037 26 5	Toluene D8	99%		77-125%
460 00 4	4-Bromofluorobenzene	119%		72-130%

- (a) Analysis performed at SGS Accutest, Dayton, NJ.
(b) Response factor for this compound is below 0.05 in the initial and continuing calibrations.
(c) This compound in the associated CCV is outside the method criteria of 20%, biased high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL-21 0-18" COMP	Date Sampled:	04/19/17
Lab Sample ID:	MC50190-2	Date Received:	04/19/17
Matrix:	SO - Soil	Percent Solids:	87.4
Method:	SW846 8270D		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.2 4

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3E92888.D	1	04/28/17	ANJ	04/26/17	N:OP2255	N:E3E4131
Run #2 ^a	3F92902.D	4	04/28/17	ANJ	04/26/17	N:OP2255	N:F3E4132

Run #	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2	30.0 g	1.0 ml

ABN Semivolatiles MCP list

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid ^b	ND	0.76	mg/kg	
95-57-8	2-Chlorophenol	ND	0.076	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.19	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.19	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.19	mg/kg	
51-28-5	2,4-Dinitrophenol ^b	ND	0.19	mg/kg	
534-52-1	4,6-Dinitro o-cresol ^b	ND	0.19	mg/kg	
95-48-7	2-Methylphenol	ND	0.076	mg/kg	
	3,8,4-Methylphenol	ND	0.076	mg/kg	
88-75-5	2-Nitrophenol	ND	0.19	mg/kg	
100-02-7	4-Nitrophenol	ND	0.38	mg/kg	
87-86-5	Pentachlorophenol ^b	ND	0.15	mg/kg	
108-95-2	Phenol	ND	0.076	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.19	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.19	mg/kg	
83-32-9	Acenaphthene	0.920	0.038	mg/kg	
208-96-8	Acenaphthylene	0.436	0.038	mg/kg	
98-86-2	Acetophenone	ND	0.19	mg/kg	
62-53-3	Aniline	ND	0.076	mg/kg	
120-12-7	Anthracene	2.59	0.038	mg/kg	
56-55-3	Benzo(a)anthracene	3.15 ^c	0.15	mg/kg	
50-32-8	Benzo(a)pyrene	3.12	0.038	mg/kg	
205-99-2	Benzo(b)fluoranthene	3.60	0.038	mg/kg	
191-24-2	Benzo(g,h,i)perylene	1.66	0.038	mg/kg	
207-08-9	Benzo(k)fluoranthene	1.16	0.038	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.076	mg/kg	
85-68-7	Butyl benzyl phthalate	0.0936	0.076	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.076	mg/kg	
106-47-8	4-Chloroaniline	ND	0.19	mg/kg	
218-01-9	Chrysene	3.53	0.038	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.076	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.076	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL-21 0 18" COMP	Date Sampled:	04/19/17
Lab Sample ID:	MC50190 2	Date Received:	04/19/17
Matrix:	SO - Soil	Percent Solids:	87.4
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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ABN Semivolatiles MCP list

CAS No.	Compound	Result	RL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.076	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.076	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.076	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.076	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.076	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.076	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.038	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.038	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.076	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.495	0.038	mg/kg	
132-64-9	Dibenzofuran	0.896	0.076	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.076	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.076	mg/kg	
84-66-2	Diethyl phthalate	ND	0.076	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.076	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.076	mg/kg	
206-44-0	Fluoranthene	7.58 ^c	0.15	mg/kg	
86-73-7	Fluorene	1.11	0.038	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.076	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.038	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.38	mg/kg	
67-72-1	Hexachloroethane	ND	0.19	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1.91	0.038	mg/kg	
78-59-1	Isophorone	ND	0.076	mg/kg	
91-57-6	2-Methylnaphthalene	0.444	0.076	mg/kg	
91-20-3	Naphthalene	0.958	0.038	mg/kg	
98-95-3	Nitrobenzene	ND	0.076	mg/kg	
62-75-9	n-Nitrosodimethylamine	ND	0.076	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.076	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.19	mg/kg	
85-01-8	Phenanthrene	8.62 ^c	0.15	mg/kg	
129-00-0	Pyrene	6.95 ^c	0.15	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.076	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
367-12-4	2-Fluorophenol	57%	51%	23-115%	
4165-62-2	Phenol d5		53%	27-114%	
118-79-6	2,4,6-Tribromophenol	78%	61%	19-152%	
4165-60-0	Nitrobenzene-d5	56%	50%	26-134%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL-21 0 18" COMP	Date Sampled:	04/19/17
Lab Sample ID:	MC50190 2	Date Received:	04/19/17
Matrix:	SO - Soil	Percent Solids:	87.4
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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ABN Semivolatiles MCP list

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	66%	56%	39-124%
1718-51-0	Terphenyl-d14	72%	57%	36-134%

(a) Analysis performed at SGS Accutest, Dayton, NJ.
(b) Quadratic regression was employed for this compound in associated ICAL.
(c) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL 21 0 18" COMP	Date Sampled:	04/19/17
Lab Sample ID:	MC50190-2	Date Received:	04/19/17
Matrix:	SO - Soil	Percent Solids:	87.4
Method:	SW846 8015		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH41678.D	1	AF	n/a	n/a	GBH2507
Run #2						

Initial Weight	Final Volume	Methanol Aliquot
Run #1 16.1 g	15.0 ml	100 ul
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH GRO (VOA)	ND	6.0	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
	2,3,4-Trifluorotoluene	96%		64-127%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL 21 0 18" COMP	Date Sampled:	04/19/17
Lab Sample ID:	MC50190-2	Date Received:	04/19/17
Matrix:	SO - Soil	Percent Solids:	87.4
Method:	SW846 8081B SW846 3546		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE54782.D	1	AP	04/20/17	OP49634	GBE2746
Run #2						

Initial Weight	Final Volume
Run #1 20.3 g	10.0 ml
Run #2	

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0056	mg/kg	
319-84-6	alpha BHC	ND	0.0056	mg/kg	
319-85-7	beta-BHC	ND	0.0056	mg/kg	
319-86-8	delta-BHC	ND	0.0056	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0056	mg/kg	
12789-03-6	Chlordane	ND	0.056	mg/kg	
60-57-1	Dieldrin	ND	0.0056	mg/kg	
72-54-8	4,4'-DDD	ND	0.0056	mg/kg	
72-55-9	4,4'-DDE	ND	0.0056	mg/kg	
50-29-3	4,4'-DDT	0.0090	0.0056	mg/kg	
72-20-8	Endrin	ND	0.0056	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0056	mg/kg	
959-98-8	Endosulfan I	ND	0.0056	mg/kg	
33213-65-9	Endosulfan II	ND	0.0056	mg/kg	
76-44-8	Heptachlor	ND	0.0056	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0056	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0056	mg/kg	
72-43-5	Methoxychlor	ND	0.0056	mg/kg	
53494-70-5	Endrin ketone	ND	0.0056	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		10-143%
877-09-8	Tetrachloro-m-xylene	48%		10-143%
2051-24-3	Decachlorobiphenyl	87%		10-172%
2051-24-3	Decachlorobiphenyl	153%		10-172%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL-21 0-18" COMP						
Lab Sample ID:	MC50190 2		Date Sampled:		04/19/17		
Matrix:	SO - Soil		Date Received:		04/19/17		
Method:	SW846 8082A SW846 3546		Percent Solids:		87.4		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA						
File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch	
Run #1	BK65269.D	1	04/25/17	AP	04/20/17	OP49633	GBK2084
Run #2							

Initial Weight	Final Volume
Run #1 20.3 g	10.0 ml
Run #2	

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.028	mg/kg	
11104-28-2	Aroclor 1221	ND	0.028	mg/kg	
11141-16-5	Aroclor 1232	ND	0.028	mg/kg	
53469-21-9	Aroclor 1242	ND	0.028	mg/kg	
12672-29-6	Aroclor 1248	ND	0.028	mg/kg	
11097-69-1	Aroclor 1254	ND	0.028	mg/kg	
11096-82-5	Aroclor 1260	ND	0.028	mg/kg	
37324-23-5	Aroclor 1262	ND	0.028	mg/kg	
11100-14-4	Aroclor 1268	ND	0.028	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%		25 145%
877 09 8	Tetrachloro m xylene	64%		25 145%
2051-24-3	Decachlorobiphenyl	95%		25-179%
2051-24 3	Decachlorobiphenyl	88%		25 179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL-21 0-18" COMP	Date Sampled:	04/19/17			
Lab Sample ID:	MC50190 2	Date Received:	04/19/17			
Matrix:	SO - Soil	Percent Solids:	87.4			
Method:	SW846 8151 SW846 3546					
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA					
File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	OA125696.D	2	04/25/17	ANJ	04/24/17	N:OP2180
Run #2						N:GOA4296

Initial Weight	Final Volume
Run #1 16.5 g	5.0 ml
Run #2	

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.035	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0069	mg/kg	
93 76 5	2,4,5 T	ND	0.0069	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
19719-28-9	2,4-DCAA	106%		10-159%	
19719-28 9	2,4-DCAA	96%		10 159%	

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL 21 0 18" COMP	Date Sampled:	04/19/17
Lab Sample ID:	MC50190-2	Date Received:	04/19/17
Matrix:	SO - Soil	Percent Solids:	87.4
Method:	SW846-8015 SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	CR4856.D	1	04/25/17	AP	04/20/17	OP49632	GCR1293

Run #1	Initial Weight	Final Volume
Run #2	15.5 g	1.0 ml

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	193	18	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	128%		17-130%	

NID = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL 21 0 18" COMP	Date Sampled:	04/19/17
Lab Sample ID:	MC50190-2	Date Received:	04/19/17
Matrix:	SO - Soil	Percent Solids:	87.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic ^a	7.4	2.2	mg/kg	1	04/25/17	04/26/17	ANJ	SW846 3050B ⁴
Barium ^a	28.1	5.5	mg/kg	1	04/25/17	04/26/17	ANJ	SW846 3050B ⁴
Cadmium ^a	<0.55	0.55	mg/kg	1	04/25/17	04/26/17	ANJ	SW846 3050B ⁴
Chromium ^a	12.5	1.1	mg/kg	1	04/25/17	04/26/17	ANJ	SW846 3050B ⁴
Lead ^a	76.7	2.2	mg/kg	1	04/25/17	04/26/17	ANJ	SW846 3050B ⁴
Mercury ^a	0.068	0.034	mg/kg	1	04/22/17	04/22/17	ANJ	SW846 7471B ³
Selenium ^a	<2.2	2.2	mg/kg	1	04/25/17	04/26/17	ANJ	SW846 3050B ⁴
Silver ^a	<0.55	0.55	mg/kg	1	04/25/17	04/26/17	ANJ	SW846 3050B ⁴

- (1) Instrument QC Batch: N:MA41837
- (2) Instrument QC Batch: N:MA41883
- (3) Prep QC Batch: N:MP165
- (4) Prep QC Batch: N:MP218

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PL-21 0-18" COMP	Date Sampled:	04/19/17
Lab Sample ID:	MC50190 2	Date Received:	04/19/17
Matrix:	SO - Soil	Percent Solids:	87.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.2 4

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity ^a	< 11	11	mg/kg	1	04/24/17 12:30	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) ^a	> 200		Deg. F	1	04/25/17 23:30	ANJ	SW846 1010A/ASTM D93
Solids, Percent ^a	87.4		%	1	04/23/17 12:00	ANJ	SM2540 C-97
Specific Conductivity ^a	168	7.5	umhos/cm	1	04/21/17 04:43	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity ^a	< 110	110	mg/kg	1	04/23/17 16:00	ANJ	SW846 CHAP7/9034
pH ^a	6.92		su	1	04/25/17 13:06	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.



ACCUTEST
New England

Section 5

Misc. Forms


Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- MCP Form
- MCP Form (SGS Accutest New Jersey)
- Sample Tracking Chronicle
- QC Evaluation: MA MCP Limits

RL = Reporting Limit

[illegible]



Massachusetts Department
of Environmental Protection
Bureau of Waste Site Cleanup

WSC-CAM
July 1, 2010
Final

Exhibit VII A
Revision No. 1

Exhibit VII A-2: MassDEP Analytical Protocol Certification Form

MassDEP Analytical Protocol Certification Form

Laboratory NameSGS Accutest-Marlborough

Project #:MC50190

Project Location:Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

MADEP RTNNone

This form provides certifications for the following data set: list Laboratory Sample ID Numbers(s)
MC50190-1,MC50190-2

MatricesGroundwater/Surface Water ()Soil/Sediment ()Drinking Water ()Air ()Other (X)

CAM Protocol (check all that apply below)

8260 VOC (X) CAM IIA	7470/7471 Hg (X) CAM III B	MassDEP VPH () CAM IV A	8081 Pesticides (X) CAM V B	7196 Hex Cr () CAM VI B	Mass DEP APH () CAM IX A
8270 SVOC (X) CAM II B	7010 Metals () CAM III C	MassDEP EPH () CAM IV B	8151 Herbicides (X) CAM V C	8330 Explosives () CAM VIII A	TO-15 VOC () CAM IX B
6010 Metals (X) CAM III A	6020 Metals () CAM III D	8082 PCB (X) CAM V A	9014 Total Cyanide/PAC () CAM VIII B	6860 Perchlorate () CAM VI A	

Affirmative Responses to Questions A Through F are required for "Presumptive Certainty" status

A

Were all samples received in a condition consistent with those described on the Chain-of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?

☒ Yes☐ No

B

Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?

☒ Yes☐ No

C

Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?

☒ Yes☐ No

D

Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?

☒ Yes☐ No

E

a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications)
b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?

☐ Yes☐ No

F

Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?

☒ Yes☐ No

Responses to questions G, H, and I below is required for "Presumptive Certainty" status

G

Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocols

☐ Yes☒ No

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40.1056(2)(k) and WSC-07-350.

H

Were all QC performance standards specified in the CAM protocol(s) achieved?

☐ Yes☒ No

I

Were results reported for the complete analyte list specified in the selected CAM protocol(s)?

☐ Yes☒ No

All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

I the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: H. (Brad) Madadian

Position: Laboratory Director


Printed Name: H. (Brad) Madadian

Date: 01-May-17

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ACCUTEST

MA50190



Massachusetts Department
of Environmental Protection
Bureau of Waste Site Cleanup

WSC-CAM
July 1, 2010
Final

Exhibit VII A
Revision No. 1

Exhibit VII A-2: MassDEP Analytical Protocol Certification Form

MassDEP Analytical Protocol Certification Form

Laboratory NameAccutest Mid-Atlantic

Project #:MC50190

Project Location:#01074, ENVTRAC Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

MADEP RTNNone

This form provides certifications for the following data set: list Laboratory Sample ID Numbers(s)
MC50190-1,MC50190-2

MatricesGroundwater/Surface Water ()Soil/Sediment ()Drinking Water ()Air ()Other ()

CAM Protocol (check all that apply below)

8260 VOC (X) CAM IIA	7470/7471 Hg (X) CAM III B	MassDEP VPH () CAM IV A	8081 Pesticides () CAM V B	7196 Hex Cr () CAM VI B	Mass DEP APH () CAM IX A
8270 SVOC (X) CAM II B	7010 Metals () CAM III C	MassDEP EPH () CAM IV B	8151 Herbicides (X) CAM V C	8330 Explosives () CAM VIII A	TO-15 VOC () CAM IX B
6010 Metals (X) CAM III A	6020 Metals () CAM III D	8082 PCB () CAM V A	9014 Total Cyanide/PAC () CAM VIII B	6860 Perchlorate () CAM VI A	

Affirmative Responses to Questions A Through F are required for "Presumptive Certainty" status

A

Were all samples received in a condition consistent with those described on the Chain-of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?

☐ Yes☒ No

B

Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?

☒ Yes☐ No

C

Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?

☒ Yes☐ No

D

Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?

☒ Yes☐ No

E

a. VPH, EPH, APH, and TO-15 only:
b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?

☐ Yes☐ No

F

Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?

☒ Yes☐ No

Responses to questions G, H, and I below is required for "Presumptive Certainty" status

G

Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocols

☐ Yes☒ No

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40.1056(2)(k) and WSC-07-350.

H

Were all QC performance standards specified in the CAM protocol(s) achieved?

☐ Yes☒ No

I

Were results reported for the complete analyte list specified in the selected CAM protocol(s)?

☐ Yes☒ No

All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

I the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Nancy F. Cole

Position: Laboratory Director

Printed Name: Nancy F. Cole

Date: 01-May-17

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ACCUTEST

MA50190

SGS

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC50190

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC50190-1 Collected: 19-APR-17 10:30 By: FM Received: 19-APR-17 By: TF						
PL-20 0-18" COMP						

MC50190-1 SW846 8015	20-APR-17 09:25	AF				V8015GRO
MC50190-1 SM2510B-11M/SW90502	22-APR-17 04:43	ANJ				SCON
MC50190-1 SW846 7471B	22-APR-17 12:06	ANJ	22-APR-17	ANJ		HG
MC50190-1 SM2540 G-97	23-APR-17 12:00	ANJ				SOL104
MC50190-1 SW846 CHAP7/9034	23-APR-17 16:00	ANJ	22-APR-17	ANJ		SREAC
MC50190-1 SW846 CHAP7/9012 B	24-APR-17 12:28	ANJ	22-APR-17	ANJ		CREAC
MC50190-1 SW846 8081B	25-APR-17 09:14	AP	20-APR-17	AJ		P8081MCP
MC50190-1 SW846 9045D	25-APR-17 13:06	ANJ				PH
MC50190-1 SW846 8082A	25-APR-17 16:29	AP	20-APR-17	AJ		P8082MCP
MC50190-1 SW846-8015	25-APR-17 17:28	AP	20-APR-17			
MC50190-1 SW846 8260C	25-APR-17 17:37	ANJ				V8260MCP
MC50190-1 SW846 8015	25-APR-17 17:58	AP	20-APR-17	AJ		B8015DRO
MC50190-1 SW846 8151	25-APR-17 22:15	ANJ	24-APR-17	ANJ		H8151STD
MC50190-1 SW846 1010A/ASTM D263	26-APR-17 23:30	ANJ				IGN
MC50190-1 SW846 8081B	26-APR-17 01:38	AP	20-APR-17	AJ		P8081MCP
MC50190-1 SW846 6010C	26-APR-17 12:17	ANJ	25-APR-17	ANJ		AG,AS,BA,CD,CR,PB,SE
MC50190-1 SW846 8270D	28-APR-17 03:23	ANJ	26-APR-17	ANJ		AB8270MCP
MC50190-1 SW846 8270D	28-APR-17 12:40	ANJ	26-APR-17	ANJ		AB8270MCP

MC50190-2 Collected: 19-APR-17 12:15 By: FM Received: 19-APR-17 By: TF						
PL-21 0-18" COMP						

MC50190-2 SW846 8015	20-APR-17 11:52	AF				V8015GRO
MC50190-2 SM2510B-11M/SW90502	22-APR-17 04:43	ANJ				SCON
MC50190-2 SW846 7471B	22-APR-17 12:07	ANJ	22-APR-17	ANJ		HG
MC50190-2 SM2540 G-97	23-APR-17 12:00	ANJ				SOL104
MC50190-2 SW846 CHAP7/9034	23-APR-17 16:00	ANJ	22-APR-17	ANJ		SREAC
MC50190-2 SW846 CHAP7/9012 B	24-APR-17 12:30	ANJ	22-APR-17	ANJ		CREAC
MC50190-2 SW846 9045D	25-APR-17 13:06	ANJ				PH
MC50190-2 SW846 8260C	25-APR-17 15:22	ANJ				V8260MCP
MC50190-2 SW846 8082A	25-APR-17 16:45	AP	20-APR-17	AJ		P8082MCP
MC50190-2 SW846-8015	25-APR-17 16:58	AP	20-APR-17	AJ		B8015DRO
MC50190-2 SW846 8151	25-APR-17 22:44	ANJ	24-APR-17	ANJ		H8151STD
MC50190-2 SW846 1010A/ASTM D263	26-APR-17 23:30	ANJ				IGN
MC50190-2 SW846 8081B	26-APR-17 01:52	AP	20-APR-17	AJ		P8081MCP
MC50190-2 SW846 6010C	26-APR-17 12:20	ANJ	25-APR-17	ANJ		AG,AS,BA,CD,CR,PB,SE
MC50190-2 SW846 8270D	28-APR-17 03:50	ANJ	26-APR-17	ANJ		AB8270MCP

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC50190

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC50190-2 SW846 8270D						
28-APR-17 13:07 ANJ 26-APR-17 ANJ AB8270MCP						

QC Evaluation: MA MCP Limits

Page 1 of 3

Job Number: MC50190
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Units	Limits
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OP49633	SW846 8082A					
OP49633-BS	12674-11-2	Aroclor 1016	BSP	REC 76	%	40-140
OP49633-BS	11096-82-5	Aroclor 1260	BSP	REC 63	%	40-140
OP49633-BS	877-09-8	Tetrachloro-m-xylene (sig#1)	BSP	SURR 71	%	30-150
OP49633-BS	877-09-8	Tetrachloro-m-xylene (sig#2)	BSP	SURR 75	%	30-150
OP49633-BS	2051-24-3	Decachlorobiphenyl (sig#1)	BSP	SURR 63	%	30-150
OP49633-BS	2051-24-3	Decachlorobiphenyl (sig#2)	BSP	SURR 57	%	30-150
OP49633-BSD	12674-11-2	Aroclor 1016	BSD	REC 90	%	40-140
OP49633-BSD	12674-11-2	Aroclor 1016	BSD	RPD 17	%	30
OP49633-BSD	11104-28-2	Aroclor 1221	BSD	RPD 0	%	30
OP49633-BSD	11141-16-5	Aroclor 1232	BSD	RPD 0	%	30
OP49633-BSD	53469-21-9	Aroclor 1242	BSD	RPD 0	%	30
OP49633-BSD	12672-29-6	Aroclor 1248	BSD	RPD 0	%	30
OP49633-BSD	11097-69-1	Aroclor 1254	BSD	RPD 0	%	30
OP49633-BSD	11096-82-5	Aroclor 1260	BSD	REC 82	%	40-140
OP49633-BSD	11096-82-5	Aroclor 1260	BSD	RPD 27	%	30
OP49633-BSD	37324-23-5	Aroclor 1262	BSD	RPD 0	%	30
OP49633-BSD	11100-14-4	Aroclor 1268	BSD	RPD 0	%	30
OP49633-BSD	877-09-8	Tetrachloro-m-xylene (sig#1)	BSD	SURR 83	%	30-150
OP49633-BSD	877-09-8	Tetrachloro-m-xylene (sig#2)	BSD	SURR 81	%	30-150
OP49633-BSD	2051-24-3	Decachlorobiphenyl (sig#1)	BSD	SURR 85	%	30-150
OP49633-BSD	2051-24-3	Decachlorobiphenyl (sig#2)	BSD	SURR 78	%	30-150
OP49633-MB	877-09-8	Tetrachloro-m-xylene (sig#1)	MB	SURR 87	%	30-150
OP49633-MB	877-09-8	Tetrachloro-m-xylene (sig#2)	MB	SURR 80	%	30-150
OP49633-MB	2051-24-3	Decachlorobiphenyl (sig#1)	MB	SURR 76	%	30-150
OP49633-MB	2051-24-3	Decachlorobiphenyl (sig#2)	MB	SURR 72	%	30-150
MC50190-1	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR 87	%	30-150
MC50190-1	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR 52	%	30-150
MC50190-1	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR 137	%	30-150
MC50190-1	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR 96	%	30-150
MC50190-2	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR 77	%	30-150
MC50190-2	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR 64	%	30-150
MC50190-2	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR 95	%	30-150
MC50190-2	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR 88	%	30-150

OP49634	SW846 8081B					
OP49634-BS	309-00-2	Aldrin	BSP	REC 96	%	40-140
OP49634-BS	319-84-6	alpha-BHC	BSP	REC 83	%	40-140
OP49634-BS	319-85-7	beta-BHC	BSP	REC 90	%	40-140
OP49634-BS	319-86-8	delta-BHC	BSP	REC 38	%	40-140
OP49634-BS	58-89-9	gamma-BHC (Lindane)	BSP	REC 89	%	40-140
OP49634-BS	60-57-1	Dieldrin	BSP	REC 111	%	40-140

* Sample used for QC is not from job MC50190

QC Evaluation: MA MCP Limits

Page 2 of 3

Job Number: MC50190
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Units	Limits
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OP49634-BS	72-54-8	4,4'-DDD	BSP	REC 103	%	40-140
OP49634-BS	72-55-9	4,4'-DDE	BSP	REC 97	%	40-140
OP49634-BS	50-29-3	4,4'-DDT	BSP	REC 118	%	40-140
OP49634-BS	72-20-8	Endrin	BSP	REC 112	%	40-140
OP49634-BS	1031-07-8	Endosulfan sulfate	BSP	REC 113	%	40-140
OP49634-BS	959-98-8	Endosulfan-I	BSP	REC 106	%	40-140
OP49634-BS	33213-65-9	Endosulfan-II	BSP	REC 115	%	40-140
OP49634-BS	76-44-8	Heptachlor	BSP	REC 98	%	40-140
OP49634-BS	1024-57-3	Heptachlor epoxide	BSP	REC 102	%	40-140
OP49634-BS	118-74-1	Hexachlorobenzene	BSP	REC 72	%	40-140
OP49634-BS	72-43-5	Methoxychlor	BSP	REC 117	%	40-140
OP49634-BS	53494-70-5	Endrin ketone	BSP	REC 106	%	40-140
OP49634-BS	877-09-8	Tetrachloro-m-xylene (sig#1)	BSP	SURR 86	%	30-150
OP49634-BS	877-09-8	Tetrachloro-m-xylene (sig#2)	BSP	SURR 88	%	30-150
OP49634-BS	2051-24-3	Decachlorobiphenyl (sig#1)	BSP	SURR 80	%	30-150
OP49634-BS	2051-24-3	Decachlorobiphenyl (sig#2)	BSP	SURR 104	%	30-150
OP49634-BSD	309-00-2	Aldrin	BSD	REC 108	%	40-140
OP49634-BSD	309-00-2	Aldrin	BSD	RPD 12	%	30
OP49634-BSD	319-84-6	alpha-BHC	BSD	REC 91	%	40-140
OP49634-BSD	319-84-6	alpha-BHC	BSD	RPD 9	%	30
OP49634-BSD	319-85-7	beta-BHC	BSD	REC 101	%	40-140
OP49634-BSD	319-85-7	beta-BHC	BSD	RPD 12	%	30
OP49634-BSD	319-86-8	delta-BHC	BSD	REC 43	%	40-140
OP49634-BSD	319-86-8	delta-BHC	BSD	RPD 11	%	30
OP49634-BSD	58-89-9	gamma-BHC (Lindane)	BSD	REC 102	%	40-140
OP49634-BSD	58-89-9	gamma-BHC (Lindane)	BSD	RPD 14	%	30
OP49634-BSD	60-57-1	Dieldrin	BSD	REC 122	%	40-140
OP49634-BSD	60-57-1	Dieldrin	BSD	RPD 9	%	30
OP49634-BSD	72-54-8	4,4'-DDD	BSD	REC 114	%	40-140
OP49634-BSD	72-54-8	4,4'-DDD	BSD	RPD 10	%	30
OP49634-BSD	72-55-9	4,4'-DDE	BSD	REC 103	%	40-140
OP49634-BSD	72-55-9	4,4'-DDE	BSD	RPD 6	%	30
OP49634-BSD	50-29-3	4,4'-DDT	BSD	REC 119	%	40-140
OP49634-BSD	50-29-3	4,4'-DDT	BSD	RPD 1	%	30
OP49634-BSD	72-20-8	Endrin	BSD	REC 124	%	40-140
OP49634-BSD	72-20-8	Endrin	BSD	RPD 10	%	30
OP49634-BSD	1031-07-8	Endosulfan sulfate	BSD	REC 123	%	40-140
OP49634-BSD	1031-07-8	Endosulfan sulfate	BSD	RPD 9	%	30
OP49634-BSD	959-98-8	Endosulfan-I	BSD	REC 117	%	40-140
OP49634-BSD	959-98-8	Endosulfan-I	BSD	RPD 10	%	30
OP49634-BSD	33213-65-9	Endosulfan-II	BSD	REC 117	%	40-140
OP49634-BSD	33213-65-9	Endosulfan-II	BSD	RPD 2	%	30
OP49634-BSD	76-44-8	Heptachlor	BSD	REC 111	%	40-140
OP49634-BSD	76-44-8	Heptachlor	BSD	RPD 12	%	30
OP49634-BSD	1024-57-3	Heptachlor epoxide	BSD	REC 112	%	40-140

* Sample used for QC is not from job MC50190

QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17



ACCUTEST
New England

QC Sample ID	CAS#	Analyte	Sample Type	Result	Units	Limits
OP49634-BSD	1024-57-3	Heptachlor epoxide	BSD	RPD	9	%
OP49634-BSD	118-74-1	Hexachlorobenzene	BSD	REC	76	%
OP49634-BSD	72-43-5	Methoxychlor	BSD	REC	124	%
OP49634-BSD	72-43-5	Methoxychlor	BSD	RPD	6	%
OP49634-BSD	53494-70-5	Endrin ketone	BSD	REC	113	%
OP49634-BSD	53494-70-5	Endrin ketone	BSD	RPD	7	%
OP49634-BSD	877-09-8	Tetrachloro-m-xylene (sig#1)	BSD	SURR	89	%
OP49634-BSD	877-09-8	Tetrachloro-m-xylene (sig#2)	BSD	SURR	93	%
OP49634-BSD	2051-24-3	Decachlorobiphenyl (sig#1)	BSD	SURR	91	%
OP49634-BSD	2051-24-3	Decachlorobiphenyl (sig#2)	BSD	SURR	105	%
OP49634-MB	877-09-8	Tetrachloro-m-xylene (sig#1)	MB	SURR	90	%
OP49634-MB	877-09-8	Tetrachloro-m-xylene (sig#2)	MB	SURR	92	%
OP49634-MB	2051-24-3	Decachlorobiphenyl (sig#1)	MB	SURR	90	%
OP49634-MB	2051-24-3	Decachlorobiphenyl (sig#2)	MB	SURR	107	%
MC50190-1	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	78	%
MC50190-1	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	73	%
MC50190-1	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	56	%
MC50190-1	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	54	%
MC50190-1	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	1061 ^a	%
MC50190-1	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	1130 ^a	%
MC50190-1	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	1072 ^a	%
MC50190-1	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	910 ^a	%
MC50190-2	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	81	%
MC50190-2	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	48	%
MC50190-2	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	87	%
MC50190-2	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	153	%

(a) Outside control limits due to matrix interference. Confirmed by reanalysis.

* Sample used for QC is not from job MC50190

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC50190
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GBH2507-MB	BH41671.D	1	04/20/17	AF	n/a	n/a	GBH2507

The QC reported here applies to the following samples:

Method: SW846 8015

MC50190-1, MC50190-2

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Limits
	2,3,4-Trifluorotoluene	99%

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC50190
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GBH2507-BSP	BH41672.D	1	04/20/17	AF	n/a	n/a	GBH2507
GBH2507-BSD	BH41673.D	1	04/20/17	AF	n/a	n/a	GBH2507

The QC reported here applies to the following samples:

Method: SW846 8015

MC50190-1, MC50190-2

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH-GRO (VOA)	32.5	30.3	93	30.1	93	1	80-120/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
	2,3,4-Trifluorotoluene	96%	94%	64-127%

* = Outside of Control Limits.

Volatile Surrogate Recovery Summary

Job Number: MC50190
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Method: SW846 8015	Matrix: SO
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Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a
MC50190-1	BH41674.D	95
MC50190-2	BH41678.D	96
GBH2507 BSD	BH41673.D	94
GBH2507 BSP	BH41672.D	96
GBH2507-MB	BH41671.D	99

Surrogate Compounds

Recovery Limits

S1 = 2,3,4-Trifluorotoluene 64-127%

(a) Recovery from GC signal #1



ACCUTEST
New England

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC50190
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	By	Prep Date	Prep Batch	Analytical Batch
OP49634-MB	BE54722.D	1	AP	04/20/17	OP49634	CBE2744

The QC reported here applies to the following samples:

MC50190-1, MC50190-2

Method: SW846 8081B

CAS No.	Compound	Result	RL	Units	Q
309 00 2	Aldrin	ND	5.0	ug/kg	
319 84 6	alpha-BHC	ND	5.0	ug/kg	
319 85 7	beta-BHC	ND	5.0	ug/kg	
319 86 8	delta-BHC	ND	5.0	ug/kg	
58 89 9	gamma-BHC (Lindane)	ND	3.0	ug/kg	
12789-03-6	Chlordane	ND	50	ug/kg	
60-57-1	Dieldrin	ND	5.0	ug/kg	
72-54-8	4,4' DDD	ND	5.0	ug/kg	
72 55 9	4,4' DDE	ND	5.0	ug/kg	
50-29-3	4,4' DDT	ND	5.0	ug/kg	
72 20 8	Endrin	ND	5.0	ug/kg	
1031 07 8	Endosulfan sulfate	ND	5.0	ug/kg	
959 98 8	Endosulfan-I	ND	5.0	ug/kg	
33213-65-9	Endosulfan II	ND	5.0	ug/kg	
76-44-8	Heptachlor	ND	5.0	ug/kg	
1024 57 3	Heptachlor epoxide	ND	5.0	ug/kg	
118-74-1	Hexachlorobenzene	ND	5.0	ug/kg	
72-43-5	Methoxychlor	ND	5.0	ug/kg	
53494-70-5	Endrin ketone	ND	5.0	ug/kg	

CAS No.	Surrogate Recoveries	Limits
877 09 8	Tetrachloro m xylene	90%
877-09-8	Tetrachloro m xylene	92%
2051 24 3	Decachlorobiphenyl	90%
2051 24 3	Decachlorobiphenyl	107%

Method Blank Summary

Job Number: MC50190
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	By	Prep Date	Prep Batch	Analytical Batch
OP49633-MB	BK65206.D	1	AP	04/21/17	OP49633	GBK2082

The QC reported here applies to the following samples:

MC50190-1, MC50190-2

Method: SW846 8082A

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	25	ug/kg	
11104-28-2	Aroclor 1221	ND	25	ug/kg	
11141-16-5	Aroclor 1232	ND	25	ug/kg	
53469-21-9	Aroclor 1242	ND	25	ug/kg	
12672-29-6	Aroclor 1248	ND	25	ug/kg	
11097 69 1	Aroclor 1254	ND	25	ug/kg	
11096-82-5	Aroclor 1260	ND	25	ug/kg	
37324 23 5	Aroclor 1262	ND	25	ug/kg	
11100 14 4	Aroclor 1268	ND	25	ug/kg	

CAS No.	Surrogate Recoveries	Limits
877 09 8	Tetrachloro m xylene	87%
877-09-8	Tetrachloro m xylene	80%
2051 24 3	Decachlorobiphenyl	76%
2051 24 3	Decachlorobiphenyl	72%

Job Number: MC50190
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Job Number: MC50190
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49632-MB	CR4722.D	1	04/20/17	AP	04/20/17	OP49632	GCR1288

The QC reported here applies to the following samples:

The QC reported here applies to the following samples:

MC50190 1, MC50190 2

MC50190-1, MC50190-2

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	ND	17	mg/kg	

7.1.3

7

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	114%

Spike	BSP	Limits
mg/kg	mg/kg	%

167	173	104
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CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	119%

167	173	104
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7.2.1

7

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC50190
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49634 BS	BE54723.D	1	04/21/17	AP	04/20/17	OP49634	GBE2744
OP49634 BSD	BE54724.D	1	04/21/17	AP	04/20/17	OP49634	GBE2744

The QC reported here applies to the following samples:

MC50190-1, MC50190-2

Method: SW846 8081B

7.3.1

7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	33.3	31.9	96	36.1	108	12	37-165/30
319-84-6	alpha-BHC	33.3	27.7	83	30.4	91	9	32-157/30
319-85-7	beta-BHC	33.3	29.9	90	33.6	101	12	41-159/30
319-86-8	delta-BHC	33.3	12.8	38	14.3	43	11	26-157/30
58-89-9	gamma-BHC (Lindane)	33.3	29.7	89	34.1	102	14	34-156/30
60-57-1	Dieldrin	33.3	37.1	111	40.6	122	9	42-171/30
72-54-8	4,4'-DDD	33.3	34.4	103	37.9	114	10	41-168/30
72-55-9	4,4'-DDE	33.3	32.3	97	34.4	103	6	42-167/30
50-29-3	4,4'-DDT	33.3	39.2	118	39.7	119	1	37-172/30
72-20-8	Endrin	33.3	37.5	112	41.4	124	10	30-191/30
1031-07-8	Endosulfan sulfate	33.3	37.6	113	41.0	123	9	41-162/30
959-98-8	Endosulfan-I	33.3	35.3	106	39.1	117	10	42-168/30
33213-65-9	Endosulfan-II	33.3	38.5	115	39.1	117	2	41-166/30
76-44-8	Heptachlor	33.3	32.8	98	37.1	111	12	43-159/30
1024-57-3	Heptachlor epoxide	33.3	34.1	102	37.3	112	9	42-167/30
118-74-1	Hexachlorobenzene	33.3	24.1	72	25.3	76	5	49-143/30
72-43-5	Methoxychlor	33.3	39.0	117	41.5	124	6	28-187/30
53494-70-5	Endrin ketone	33.3	35.4	106	37.8	113	7	32-170/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
877-09-8	Tetrachloro m-xylene	86%	89%	10-143%
877-09-8	Tetrachloro m-xylene	88%	93%	10-143%
2051-24-3	Decachlorobiphenyl	80%	91%	10-172%
2051-24-3	Decachlorobiphenyl	104%	105%	10-172%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC50190
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49633 BS	BK65207.D	1	04/21/17	AP	04/20/17	OP49633	GBK2082
OP49633 BSD	BK65208.D	1	04/21/17	AP	04/20/17	OP49633	GBK2082

The QC reported here applies to the following samples:

MC50190-1, MC50190-2

Method: SW846 8082A

7.3.2

7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	267	204	76	241	90	17	47-144/30
11104-28-2	Aroclor 1221		ND		ND		nc	40-140/30
11141-16-5	Aroclor 1232		ND		ND		nc	40-140/30
53469-21-9	Aroclor 1242		ND		ND		nc	40-140/30
12672-29-6	Aroclor 1248		ND		ND		nc	40-140/30
11097-69-1	Aroclor 1254		ND		ND		nc	40-140/30
11096-82-5	Aroclor 1260	267	168	63	220	82	27	45-156/30
37324-23-5	Aroclor 1262		ND		ND		nc	40-140/30
11100-14-4	Aroclor 1268		ND		ND		nc	40-140/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
877-09-8	Tetrachloro m-xylene	71%	83%	25-145%
877-09-8	Tetrachloro m-xylene	75%	81%	25-145%
2051-24-3	Decachlorobiphenyl	63%	85%	25-179%
2051-24-3	Decachlorobiphenyl	57%	78%	25-179%

* = Outside of Control Limits.

Semivolatiles Surrogate Recovery Summary

Job Number: MC50190
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Method: SW846 8081B				Matrix: SO	
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Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a	S1 ^b	S2 ^a	S2 ^b
MC50190-1	BE54749.D	73	56	1061 ^{*c}	1072 ^{*c}
MC50190-1	BE54781.D	78	54	1130 ^{*c}	910 ^{*c}
MC50190-2	BE54782.D	81	48	87	153
OP49634-BS	BE54723.D	86	88	80	104
OP49634-BSD	BE54724.D	89	93	91	105
OP49634-MB	BE54722.D	90	92	90	107

7.4.1 7

Surrogate Compounds

Recovery Limits

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

10-143%
10-172%

- (a) Recovery from GC signal #1
(b) Recovery from GC signal #2
(c) Outside control limits due to matrix interference. Confirmed by reanalysis.

Semivolatiles Surrogate Recovery Summary

Job Number: MC50190
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Method: SW846 8082A				Matrix: SO	
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Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a	S1 ^b	S2 ^a	S2 ^b
MC50190-1	BK65268.D	87	52	137	96
MC50190-2	BK65269.D	77	64	95	88
OP49633-BS	BK65207.D	71	75	63	57
OP49633-BSD	BK65208.D	83	81	85	78
OP49633-MB	BK65206.D	87	80	76	72

7.4.2 7

Surrogate Compounds

Recovery Limits

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

25-145%
25-179%

- (a) Recovery from GC signal #1
(b) Recovery from GC signal #2

Semivolatiles Surrogate Recovery Summary

Job Number: MC50190
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Method: SW846-8015	Matrix: SO
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Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a
MC50190-1	CR4858.D	163* ^b
MC50190-1	CR4857.D	134* ^b
MC50190-2	CR4856.D	128
OP49632-BS	CR4723.D	119
OP49632-MB	CR4722.D	114
Surrogate Compounds		Recovery Limits
S1 = o-Terphenyl		17-130%

- (a) Recovery from GC signal #1
(b) Outside control limits due to matrix interference. Confirmed by reanalysis.

7.4.3

7



ACCUTEST
New England

Section 8

Misc. Forms
Custody Documents and Other Forms (SGS Accutest New Jersey)
Includes the following where applicable: <ul style="list-style-type: none">Chain of CustodySample Tracking ChronicleQC Evaluation: MA MCP Limits

QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: SGS Accutest New England
Project: ENVTRAC: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

Internal Sample Tracking Chronicle

SGS Accutest New England
ENVTRAC: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC50190

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC50190-1 Collected: 19-APR-17 10:30 By: FM Received: 19-APR-17 By: AS						
PL-20 0-18" COMP						
MC50190-1	SM2510B-11M/SW90502	19-APR-17 04:43	MP			SCON
MC50190-1	SW846 7471B	22-APR-17 12:06	JA	22-APR-17	JA	HG
MC50190-1	SM2540 G-97	23-APR-17 12:00	KP			SOL104
MC50190-1	SW846 CHAP7/9034	23-APR-17 16:00	CB	22-APR-17	CB	SREAC
MC50190-1	SW846 CHAP7/9012 B	24-APR-17 12:28	YZ	22-APR-17	CB	CREAC
MC50190-1	SW846 9045D	25-APR-17 13:06	JA			PH
MC50190-1	SW846 8260C	25-APR-17 17:37	SY			V8260MCP
MC50190-1	SW846 8151	25-APR-17 22:15	VDT	24-APR-17	GAD	H8151STD
MC50190-1	SW846 1010A/ASTM D26	26-APR-17 23:30	PO			IGN
MC50190-1	SW846 6010C	26-APR-17 12:17	ND	25-APR-17	CSF	AG,AS,BA,CD,CR,PB,SE
MC50190-1	SW846 8270D	28-APR-17 03:23	AN	26-APR-17	RF	AB8270MCP
MC50190-1	SW846 8270D	28-APR-17 12:40	AN	26-APR-17	RF	AB8270MCP
MC50190-2 Collected: 19-APR-17 12:15 By: FM Received: 19-APR-17 By: AS						
PL-21 0-18" COMP						
MC50190-2	SM2510B-11M/SW90502	19-APR-17 04:43	MP			SCON
MC50190-2	SW846 7471B	22-APR-17 12:07	JA	22-APR-17	JA	HG
MC50190-2	SM2540 G-97	23-APR-17 12:00	KP			SOL104
MC50190-2	SW846 CHAP7/9034	23-APR-17 16:00	CB	22-APR-17	CB	SREAC
MC50190-2	SW846 CHAP7/9012 B	24-APR-17 12:30	YZ	22-APR-17	CB	CREAC
MC50190-2	SW846 9045D	25-APR-17 13:06	JA			PH
MC50190-2	SW846 8260C	25-APR-17 15:22	PS			V8260MCP
MC50190-2	SW846 8151	25-APR-17 22:44	VDT	24-APR-17	GAD	H8151STD
MC50190-2	SW846 1010A/ASTM D26	26-APR-17 23:30	PO			IGN
MC50190-2	SW846 6010C	26-APR-17 12:20	ND	25-APR-17	CSF	AG,AS,BA,CD,CR,PB,SE
MC50190-2	SW846 8270D	28-APR-17 03:50	AN	26-APR-17	RF	AB8270MCP
MC50190-2	SW846 8270D	28-APR-17 13:07	AN	26-APR-17	RF	AB8270MCP

QC Sample ID	CAS#	Analyte	Sample Type	Result	Units	Limits
VV7075	SW846 8260C					
VV7075-BS	67-64-1	Acetone	BSP	REC 132	%	70-130
VV7075-BS	71-43-2	Benzene	BSP	REC 105	%	70-130
VV7075-BS	108-86-1	Bromobenzene	BSP	REC 109	%	70-130
VV7075-BS	74-97-5	Bromochloromethane	BSP	REC 110	%	70-130
VV7075-BS	75-27-4	Bromodichloromethane	BSP	REC 100	%	70-130
VV7075-BS	75-25-2	Bromoform	BSP	REC 113	%	70-130
VV7075-BS	74-83-9	Bromomethane	BSP	REC 108	%	70-130
VV7075-BS	78-93-3	2-Butanone (MEK)	BSP	REC 128	%	70-130
VV7075-BS	104-51-8	n-Butylbenzene	BSP	REC 105	%	70-130
VV7075-BS	135-98-8	sec-Butylbenzene	BSP	REC 109	%	70-130
VV7075-BS	98-06-6	tert-Butylbenzene	BSP	REC 109	%	70-130
VV7075-BS	75-15-0	Carbon disulfide	BSP	REC 99	%	70-130
VV7075-BS	56-23-5	Carbon tetrachloride	BSP	REC 101	%	70-130
VV7075-BS	108-90-7	Chlorobenzene	BSP	REC 110	%	70-130
VV7075-BS	75-00-3	Chloroethane	BSP	REC 115	%	70-130
VV7075-BS	67-66-3	Chloroform	BSP	REC 97	%	70-130
VV7075-BS	74-87-3	Chloromethane	BSP	REC 108	%	70-130
VV7075-BS	95-49-8	o-Chlorotoluene	BSP	REC 113	%	70-130
VV7075-BS	106-43-4	p-Chlorotoluene	BSP	REC 109	%	70-130
VV7075-BS	108-20-3	Di-Isopropyl ether	BSP	REC 96	%	70-130
VV7075-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC 119	%	70-130
VV7075-BS	124-48-1	Dibromochloromethane	BSP	REC 107	%	70-130
VV7075-BS	106-93-4	1,2-Dibromoethane	BSP	REC 107	%	70-130
VV7075-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC 109	%	70-130
VV7075-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC 109	%	70-130
VV7075-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC 106	%	70-130
VV7075-BS	75-71-8	Dichlorodifluoromethane	BSP	REC 102	%	70-130
VV7075-BS	75-34-3	1,1-Dichloroethane	BSP	REC 106	%	70-130
VV7075-BS	107-06-2	1,2-Dichloroethane	BSP	REC 98	%	70-130
VV7075-BS	75-35-4	1,1-Dichloroethene	BSP	REC 110	%	70-130
VV7075-BS	156-59-2	cis-1,2-Dichloroethene	BSP	REC 104	%	70-130
VV7075-BS	156-60-5	trans-1,2-Dichloroethene	BSP	REC 105	%	70-130
VV7075-BS	78-87-5	1,2-Dichloropropane	BSP	REC 103	%	70-130
VV7075-BS	142-28-9	1,3-Dichloropropane	BSP	REC 107	%	70-130
VV7075-BS	594-20-7	2,2-Dichloropropane	BSP	REC 104	%	70-130
VV7075-BS	563-58-6	1,1-Dichloropropene	BSP	REC 108	%	70-130
VV7075-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC 111	%	70-130
VV7075-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC 107	%	70-130
VV7075-BS	123-91-1	1,4-Dioxane	BSP	REC 104	%	70-130
VV7075-BS	60-29-7	Ethyl Ether	BSP	REC 113	%	70-130
VV7075-BS	100-41-4	Ethylbenzene	BSP	REC 111	%	70-130
VV7075-BS	87-68-3	Hexachlorobutadiene	BSP	REC 120	%	70-130

QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: SGS Accutest New England
Project: ENVTRAC: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result	Units Limits
VV7075-BS	591-78-6	2-Hexanone	BSP	REC 117	% 70-130
VV7075-BS	98-82-8	Isopropylbenzene	BSP	REC 109	% 70-130
VV7075-BS	99-87-6	p-Isopropyltoluene	BSP	REC 113	% 70-130
VV7075-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC 104	% 70-130
VV7075-BS	108-10-1	4-Methyl-2-pentanone(MIBK)	BSP	REC 115	% 70-130
VV7075-BS	74-95-3	Methylene bromide	BSP	REC 110	% 70-130
VV7075-BS	75-09-2	Methylene chloride	BSP	REC 98	% 70-130
VV7075-BS	91-20-3	Naphthalene	BSP	REC 118	% 70-130
VV7075-BS	103-65-1	n-Propylbenzene	BSP	REC 112	% 70-130
VV7075-BS	100-42-5	Styrene	BSP	REC 118	% 70-130
VV7075-BS	994-05-8	tert-Amyl Methyl Ether	BSP	REC 106	% 70-130
VV7075-BS	637-92-3	tert-Butyl Ethyl Ether	BSP	REC 100	% 70-130
VV7075-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC 108	% 70-130
VV7075-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC 114	% 70-130
VV7075-BS	127-18-4	Tetrachloroethene	BSP	REC 109	% 70-130
VV7075-BS	109-99-9	Tetrahydrofuran	BSP	REC 96	% 70-130
VV7075-BS	108-88-3	Toluene	BSP	REC 107	% 70-130
VV7075-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC 118	% 70-130
VV7075-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC 123	% 70-130
VV7075-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC 101	% 70-130
VV7075-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC 109	% 70-130
VV7075-BS	79-01-6	Trichloroethene	BSP	REC 109	% 70-130
VV7075-BS	75-69-4	Trichlorofluoromethane	BSP	REC 106	% 70-130
VV7075-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC 113	% 70-130
VV7075-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC 110	% 70-130
VV7075-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC 110	% 70-130
VV7075-BS	75-01-4	Vinyl chloride	BSP	REC 111	% 70-130
VV7075-BS		m,p-Xylene	BSP	REC 118	% 70-130
VV7075-BS	95-47-6	o-Xylene	BSP	REC 113	% 70-130
VV7075-BS	1330-20-7	Xylene (total)	BSP	REC 116	% 70-130
VV7075-BS	1868-53-7	Dibromofluoromethane	BSP	SURR 98	% 70-130
VV7075-BS	2037-26-5	Toluene-D8	BSP	SURR 98	% 70-130
VV7075-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR 96	% 70-130
VV7075-BS	67-64-1	Acetone	BSD	REC 112	% 70-130
VV7075-BS	67-64-1	Acetone	BSD	RPD 17	% 20
VV7075-BS	71-43-2	Benzene	BSD	REC 100	% 70-130
VV7075-BS	71-43-2	Benzene	BSD	RPD 5	% 20
VV7075-BS	108-86-1	Bromobenzene	BSD	REC 103	% 70-130
VV7075-BS	108-86-1	Bromobenzene	BSD	RPD 6	% 20
VV7075-BS	74-97-5	Bromochloromethane	BSD	REC 106	% 70-130
VV7075-BS	74-97-5	Bromochloromethane	BSD	RPD 3	% 20
VV7075-BS	75-27-4	Bromodichloromethane	BSD	REC 98	% 70-130
VV7075-BS	75-27-4	Bromodichloromethane	BSD	RPD 3	% 20
VV7075-BS	75-25-2	Bromoform	BSD	REC 113	% 70-130
VV7075-BS	75-25-2	Bromoform	BSD	RPD 0	% 20

* Sample used for QC is not from job MC50190

QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: SGS Accutest New England
Project: ENVTRAC: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result	Units Limits
VV7075-BS	74-83-9	Bromomethane	BSD	REC 100	% 70-130
VV7075-BS	74-83-9	Bromomethane	BSD	RPD 8	% 20
VV7075-BS	78-93-3	2-Butanone (MEK)	BSD	REC 119	% 70-130
VV7075-BS	78-93-3	2-Butanone (MEK)	BSD	RPD 7	% 20
VV7075-BS	104-51-8	n-Butylbenzene	BSD	REC 95	% 70-130
VV7075-BS	104-51-8	n-Butylbenzene	BSD	RPD 10	% 20
VV7075-BS	135-98-8	sec-Butylbenzene	BSD	REC 101	% 70-130
VV7075-BS	135-98-8	sec-Butylbenzene	BSD	RPD 7	% 20
VV7075-BS	98-06-6	tert-Butylbenzene	BSD	REC 101	% 70-130
VV7075-BS	98-06-6	tert-Butylbenzene	BSD	RPD 8	% 20
VV7075-BS	75-15-0	Carbon disulfide	BSD	REC 91	% 70-130
VV7075-BS	75-15-0	Carbon disulfide	BSD	RPD 8	% 20
VV7075-BS	56-23-5	Carbon tetrachloride	BSD	REC 91	% 70-130
VV7075-BS	56-23-5	Carbon tetrachloride	BSD	RPD 11	% 20
VV7075-BS	108-90-7	Chlorobenzene	BSD	REC 103	% 70-130
VV7075-BS	108-90-7	Chlorobenzene	BSD	RPD 7	% 20
VV7075-BS	75-00-3	Chloroethane	BSD	REC 103	% 70-130
VV7075-BS	75-00-3	Chloroethane	BSD	RPD 10	% 20
VV7075-BS	67-66-3	Chloroform	BSD	REC 89	% 70-130
VV7075-BS	67-66-3	Chloroform	BSD	RPD 8	% 20
VV7075-BS	74-87-3	Chloromethane	BSD	REC 102	% 70-130
VV7075-BS	74-87-3	Chloromethane	BSD	RPD 6	% 20
VV7075-BS	95-49-8	o-Chlorotoluene	BSD	REC 107	% 70-130
VV7075-BS	95-49-8	o-Chlorotoluene	BSD	RPD 6	% 20
VV7075-BS	106-43-4	p-Chlorotoluene	BSD	REC 103	% 70-130
VV7075-BS	106-43-4	p-Chlorotoluene	BSD	RPD 6	% 20
VV7075-BS	108-20-3	Di-Isopropyl ether	BSD	REC 91	% 70-130
VV7075-BS	108-20-3	Di-Isopropyl ether	BSD	RPD 6	% 20
VV7075-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSD	REC 122	% 70-130
VV7075-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSD	RPD 2	% 20
VV7075-BS	124-48-1	Dibromochloromethane	BSD	REC 104	% 70-130
VV7075-BS	124-48-1	Dibromochloromethane	BSD	RPD 3	% 20
VV7075-BS	106-93-4	1,2-Dibromoethane	BSD	REC 104	% 70-130
VV7075-BS	106-93-4	1,2-Dibromoethane	BSD	RPD 2	% 20
VV7075-BS	95-50-1	1,2-Dichlorobenzene	BSD	REC 105	% 70-130
VV7075-BS	95-50-1	1,2-Dichlorobenzene	BSD	RPD 4	% 20
VV7075-BS	541-73-1	1,3-Dichlorobenzene	BSD	REC 102	% 70-130
VV7075-BS	541-73-1	1,3-Dichlorobenzene	BSD	RPD 6	% 20
VV7075-BS	106-46-7	1,4-Dichlorobenzene	BSD	REC 100	% 70-130
VV7075-BS	106-46-7	1,4-Dichlorobenzene	BSD	RPD 6	% 20
VV7075-BS	75-71-8	Dichlorodifluoromethane	BSD	REC 90	% 70-130
VV7075-BS	75-71-8	Dichlorodifluoromethane	BSD	RPD 12	% 20
VV7075-BS	75-34-3	1,1-Dichloroethane	BSD	REC 96	% 70-130
VV7075-BS	75-34-3	1,1-Dichloroethane	BSD	RPD 10	% 20
VV7075-BS	107-06-2	1,2-Dichloroethane	BSD	REC 97	% 70-130

* Sample used for QC is not from job MC50190

QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Type	Result	Units	Limits
VV7075-BSD	107-06-2	1,2-Dichloroethane	BSD	RPD	2	%
VV7075-BSD	75-35-4	1,1-Dichloroethene	BSD	REC	92	%
VV7075-BSD	75-35-4	1,1-Dichloroethene	BSD	RPD	18	%
VV7075-BSD	156-59-2	cis-1,2-Dichloroethene	BSD	REC	98	%
VV7075-BSD	156-59-2	cis-1,2-Dichloroethene	BSD	RPD	6	%
VV7075-BSD	156-60-5	trans-1,2-Dichloroethene	BSD	REC	94	%
VV7075-BSD	156-60-5	trans-1,2-Dichloroethene	BSD	RPD	10	%
VV7075-BSD	78-87-5	1,2-Dichloropropane	BSD	REC	99	%
VV7075-BSD	78-87-5	1,2-Dichloropropane	BSD	RPD	4	%
VV7075-BSD	142-28-9	1,3-Dichloropropane	BSD	REC	102	%
VV7075-BSD	142-28-9	1,3-Dichloropropane	BSD	RPD	5	%
VV7075-BSD	594-20-7	2,2-Dichloropropane	BSD	REC	94	%
VV7075-BSD	594-20-7	2,2-Dichloropropane	BSD	RPD	10	%
VV7075-BSD	563-58-6	1,1-Dichloropropene	BSD	REC	96	%
VV7075-BSD	563-58-6	1,1-Dichloropropene	BSD	RPD	11	%
VV7075-BSD	10061-01-5	cis-1,3-Dichloropropene	BSD	REC	107	%
VV7075-BSD	10061-01-5	cis-1,3-Dichloropropene	BSD	RPD	4	%
VV7075-BSD	10061-02-6	trans-1,3-Dichloropropene	BSD	REC	103	%
VV7075-BSD	10061-02-6	trans-1,3-Dichloropropene	BSD	RPD	4	%
VV7075-BSD	123-91-1	1,4-Dioxane	BSD	REC	102	%
VV7075-BSD	123-91-1	1,4-Dioxane	BSD	RPD	2	%
VV7075-BSD	60-29-7	Ethyl Ether	BSD	REC	110	%
VV7075-BSD	60-29-7	Ethyl Ether	BSD	RPD	3	%
VV7075-BSD	100-41-4	Ethylbenzene	BSD	REC	102	%
VV7075-BSD	100-41-4	Ethylbenzene	BSD	RPD	9	%
VV7075-BSD	87-68-3	Hexachlorobutadiene	BSD	REC	114	%
VV7075-BSD	87-68-3	Hexachlorobutadiene	BSD	RPD	5	%
VV7075-BSD	591-78-6	2-Hexanone	BSD	REC	114	%
VV7075-BSD	591-78-6	2-Hexanone	BSD	RPD	2	%
VV7075-BSD	98-82-8	Isopropylbenzene	BSD	REC	102	%
VV7075-BSD	98-82-8	Isopropylbenzene	BSD	RPD	7	%
VV7075-BSD	99-87-6	p-Isopropyltoluene	BSD	REC	104	%
VV7075-BSD	99-87-6	p-Isopropyltoluene	BSD	RPD	9	%
VV7075-BSD	1634-04-4	Methyl Tert Butyl Ether	BSD	REC	104	%
VV7075-BSD	1634-04-4	Methyl Tert Butyl Ether	BSD	RPD	0	%
VV7075-BSD	108-10-1	4-Methyl-2-pentanone(MIBK)	BSD	REC	117	%
VV7075-BSD	108-10-1	4-Methyl-2-pentanone(MIBK)	BSD	RPD	2	%
VV7075-BSD	74-95-3	Methylene bromide	BSD	REC	107	%
VV7075-BSD	74-95-3	Methylene bromide	BSD	RPD	3	%
VV7075-BSD	75-09-2	Methylene chloride	BSD	REC	94	%
VV7075-BSD	75-09-2	Methylene chloride	BSD	RPD	5	%
VV7075-BSD	91-20-3	Naphthalene	BSD	REC	119	%
VV7075-BSD	91-20-3	Naphthalene	BSD	RPD	1	%
VV7075-BSD	103-65-1	n-Propylbenzene	BSD	REC	102	%
VV7075-BSD	103-65-1	n-Propylbenzene	BSD	RPD	10	%

* Sample used for QC is not from job MC50190

QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Type	Result	Units	Limits
VV7075-BSD	100-42-5	Styrene	BSD	REC	110	%
VV7075-BSD	100-42-5	Styrene	BSD	RPD	7	%
VV7075-BSD	994-05-8	tert-Amyl Methyl Ether	BSD	REC	105	%
VV7075-BSD	994-05-8	tert-Amyl Methyl Ether	BSD	RPD	1	%
VV7075-BSD	637-92-3	tert-Butyl Ethyl Ether	BSD	REC	97	%
VV7075-BSD	637-92-3	tert-Butyl Ethyl Ether	BSD	RPD	3	%
VV7075-BSD	630-20-6	1,1,1,2-Tetrachloroethane	BSD	REC	103	%
VV7075-BSD	630-20-6	1,1,1,2-Tetrachloroethane	BSD	RPD	4	%
VV7075-BSD	79-34-5	1,1,2,2-Tetrachloroethane	BSD	REC	111	%
VV7075-BSD	79-34-5	1,1,2,2-Tetrachloroethane	BSD	RPD	2	%
VV7075-BSD	127-18-4	Tetrachloroethene	BSD	REC	98	%
VV7075-BSD	127-18-4	Tetrachloroethene	BSD	RPD	11	%
VV7075-BSD	109-99-9	Tetrahydrofuran	BSD	REC	94	%
VV7075-BSD	109-99-9	Tetrahydrofuran	BSD	RPD	2	%
VV7075-BSD	108-88-3	Toluene	BSD	REC	100	%
VV7075-BSD	108-88-3	Toluene	BSD	RPD	7	%
VV7075-BSD	87-61-6	1,2,3-Trichlorobenzene	BSD	REC	117	%
VV7075-BSD	87-61-6	1,2,3-Trichlorobenzene	BSD	RPD	1	%
VV7075-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	REC	118	%
VV7075-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	RPD	4	%
VV7075-BSD	71-55-6	1,1,1-Trichloroethane	BSD	REC	90	%
VV7075-BSD	71-55-6	1,1,1-Trichloroethane	BSD	RPD	12	%
VV7075-BSD	79-00-5	1,1,2-Trichloroethane	BSD	REC	105	%
VV7075-BSD	79-00-5	1,1,2-Trichloroethane	BSD	RPD	4	%
VV7075-BSD	79-01-6	Trichloroethene	BSD	REC	102	%
VV7075-BSD	79-01-6	Trichloroethene	BSD	RPD	6	%
VV7075-BSD	75-69-4	Trichlorofluoromethane	BSD	REC	95	%
VV7075-BSD	75-69-4	Trichlorofluoromethane	BSD	RPD	11	%
VV7075-BSD	96-18-4	1,2,3-Trichloropropane	BSD	REC	108	%
VV7075-BSD	96-18-4	1,2,3-Trichloropropane	BSD	RPD	5	%
VV7075-BSD	95-63-6	1,2,4-Trimethylbenzene	BSD	REC	102	%
VV7075-BSD	95-63-6	1,2,4-Trimethylbenzene	BSD	RPD	8	%
VV7075-BSD	108-67-8	1,3,5-Trimethylbenzene	BSD	REC	101	%
VV7075-BSD	108-67-8	1,3,5-Trimethylbenzene	BSD	RPD	9	%
VV7075-BSD	75-01-4	Vinyl chloride	BSD	REC	102	%
VV7075-BSD	75-01-4	Vinyl chloride	BSD	RPD	8	%
VV7075-BSD		m,p-Xylene	BSD	REC	109	%
VV7075-BSD		m,p-Xylene	BSD	RPD	8	%
VV7075-BSD	95-47-6	o-Xylene	BSD	REC	107	%
VV7075-BSD	95-47-6	o-Xylene	BSD	RPD	5	%
VV7075-BSD	1330-20-7	Xylene (total)	BSD	REC	109	%
VV7075-BSD	1330-20-7	Xylene (total)	BSD	RPD	7	%
VV7075-BSD	1868-53-7	Dibromofluoromethane	BSD	SURR	97	%
VV7075-BSD	2037-26-5	Toluene-D8	BSD	SURR	99	%
VV7075-BSD	460-00-4	4-Bromofluorobenzene	BSD	SURR	97	%

* Sample used for QC is not from job MC50190

QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: SGS Accutest New England
Project: ENVTRAC: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result	Units Limits
VV7075-MB	1868-53-7	Dibromofluoromethane	MB	SURR 109	% 70-130
VV7075-MB	2037-26-5	Toluene-D8	MB	SURR 95	% 70-130
VV7075-MB	460-00-4	4-Bromofluorobenzene	MB	SURR 94	% 70-130
MC50190-1	1868-53-7	Dibromofluoromethane	SAMP	SURR 104	% 70-130
MC50190-1	2037-26-5	Toluene-D8	SAMP	SURR 97	% 70-130
MC50190-1	460-00-4	4-Bromofluorobenzene	SAMP	SURR 94	% 70-130
VY7434	SW846 8260C				
VY7434-BS	67-64-1	Acetone	BSP	REC 108	% 70-130
VY7434-BS	71-43-2	Benzene	BSP	REC 90	% 70-130
VY7434-BS	108-86-1	Bromobenzene	BSP	REC 102	% 70-130
VY7434-BS	74-97-5	Bromochloromethane	BSP	REC 93	% 70-130
VY7434-BS	75-27-4	Bromodichloromethane	BSP	REC 90	% 70-130
VY7434-BS	75-25-2	Bromoform	BSP	REC 102	% 70-130
VY7434-BS	74-83-9	Bromomethane	BSP	REC 85	% 70-130
VY7434-BS	78-93-3	2-Butanone (MEK)	BSP	REC 119	% 70-130
VY7434-BS	104-51-8	n-Butylbenzene	BSP	REC 92	% 70-130
VY7434-BS	135-98-8	sec-Butylbenzene	BSP	REC 92	% 70-130
VY7434-BS	98-06-6	tert-Butylbenzene	BSP	REC 94	% 70-130
VY7434-BS	75-15-0	Carbon disulfide	BSP	REC 97	% 70-130
VY7434-BS	56-23-5	Carbon tetrachloride	BSP	REC 89	% 70-130
VY7434-BS	108-90-7	Chlorobenzene	BSP	REC 95	% 70-130
VY7434-BS	75-00-3	Chloroethane	BSP	REC 90	% 70-130
VY7434-BS	67-66-3	Chloroform	BSP	REC 86	% 70-130
VY7434-BS	74-87-3	Chloromethane	BSP	REC 88	% 70-130
VY7434-BS	95-49-8	o-Chlorotoluene	BSP	REC 100	% 70-130
VY7434-BS	106-43-4	p-Chlorotoluene	BSP	REC 96	% 70-130
VY7434-BS	108-20-3	Di-Isopropyl ether	BSP	REC 96	% 70-130
VY7434-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC 93	% 70-130
VY7434-BS	124-48-1	Dibromochloromethane	BSP	REC 95	% 70-130
VY7434-BS	106-93-4	1,2-Dibromoethane	BSP	REC 97	% 70-130
VY7434-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC 96	% 70-130
VY7434-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC 97	% 70-130
VY7434-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC 95	% 70-130
VY7434-BS	75-71-8	Dichlorodifluoromethane	BSP	REC 84	% 70-130
VY7434-BS	75-34-3	1,1-Dichloroethane	BSP	REC 94	% 70-130
VY7434-BS	107-06-2	1,2-Dichloroethane	BSP	REC 88	% 70-130
VY7434-BS	75-35-4	1,1-Dichloroethene	BSP	REC 91	% 70-130
VY7434-BS	156-59-2	cis-1,2-Dichloroethene	BSP	REC 88	% 70-130
VY7434-BS	156-60-5	trans-1,2-Dichloroethene	BSP	REC 94	% 70-130
VY7434-BS	78-87-5	1,2-Dichloropropane	BSP	REC 96	% 70-130
VY7434-BS	142-28-9	1,3-Dichloropropane	BSP	REC 97	% 70-130
VY7434-BS	594-20-7	2,2-Dichloropropane	BSP	REC 92	% 70-130
VY7434-BS	563-58-6	1,1-Dichloropropene	BSP	REC 89	% 70-130

* Sample used for QC is not from job MC50190

QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: SGS Accutest New England
Project: ENVTRAC: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result	Units Limits
VY7434-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC 99	% 70-130
VY7434-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC 93	% 70-130
VY7434-BS	123-91-1	1,4-Dioxane	BSP	REC 92	% 70-130
VY7434-BS	60-29-7	Ethyl Ether	BSP	REC 99	% 70-130
VY7434-BS	100-41-4	Ethylbenzene	BSP	REC 91	% 70-130
VY7434-BS	87-68-3	Hexachlorobutadiene	BSP	REC 95	% 70-130
VY7434-BS	591-78-6	2-Hexanone	BSP	REC 121	% 70-130
VY7434-BS	98-82-8	Isopropylbenzene	BSP	REC 89	% 70-130
VY7434-BS	99-87-6	p-Isopropyltoluene	BSP	REC 93	% 70-130
VY7434-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC 96	% 70-130
VY7434-BS	108-10-1	4-Methyl-2-pentanone(MIBK)	BSP	REC 119	% 70-130
VY7434-BS	74-95-3	Methylene bromide	BSP	REC 96	% 70-130
VY7434-BS	75-09-2	Methylene chloride	BSP	REC 95	% 70-130
VY7434-BS	91-20-3	Naphthalene	BSP	REC 97	% 70-130
VY7434-BS	103-65-1	n-Propylbenzene	BSP	REC 96	% 70-130
VY7434-BS	100-42-5	Styrene	BSP	REC 93	% 70-130
VY7434-BS	994-05-8	tert-Amyl Methyl Ether	BSP	REC 95	% 70-130
VY7434-BS	637-92-3	tert-Butyl Ethyl Ether	BSP	REC 98	% 70-130
VY7434-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC 87	% 70-130
VY7434-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC 105	% 70-130
VY7434-BS	127-18-4	Tetrachloroethene	BSP	REC 90	% 70-130
VY7434-BS	109-99-9	Tetrahydrofuran	BSP	REC 126	% 70-130
VY7434-BS	108-88-3	Toluene	BSP	REC 90	% 70-130
VY7434-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC 100	% 70-130
VY7434-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC 98	% 70-130
VY7434-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC 88	% 70-130
VY7434-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC 97	% 70-130
VY7434-BS	79-01-6	Trichloroethene	BSP	REC 94	% 70-130
VY7434-BS	75-69-4	Trichlorofluoromethane	BSP	REC 95	% 70-130
VY7434-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC 105	% 70-130
VY7434-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC 93	% 70-130
VY7434-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC 94	% 70-130
VY7434-BS	75-01-4	Vinyl chloride	BSP	REC 91	% 70-130
VY7434-BS		m,p-Xylene	BSP	REC 95	% 70-130
VY7434-BS	95-47-6	o-Xylene	BSP	REC 88	% 70-130
VY7434-BS	1330-20-7	Xylene (total)	BSP	REC 93	% 70-130
VY7434-BS	1868-53-7	Dibromofluoromethane	BSP	SURR 98	% 70-130
VY7434-BS	2037-26-5	Toluene-D8	BSP	SURR 98	% 70-130
VY7434-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR 107	% 70-130
VY7434-BSD	67-64-1	Acetone	BSD	REC 92	% 70-130
VY7434-BSD	67-64-1	Acetone	BSD	RPD 16	% 20
VY7434-BSD	71-43-2	Benzene	BSD	REC 86	% 70-130
VY7434-BSD	71-43-2	Benzene	BSD	RPD 4	% 20
VY7434-BSD	108-86-1	Bromobenzene	BSD	REC 98	% 70-130
VY7434-BSD	108-86-1	Bromobenzene	BSD	RPD 4	% 20

* Sample used for QC is not from job MC50190

QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result	Units	Limits
VY7434-BSD	74-97-5	Bromochloromethane	BSD	REC 89	%	70-130
VY7434-BSD	74-97-5	Bromochloromethane	BSD	RPD 5	%	20
VY7434-BSD	75-27-4	Bromodichloromethane	BSD	REC 89	%	70-130
VY7434-BSD	75-27-4	Bromodichloromethane	BSD	RPD 2	%	20
VY7434-BSD	75-25-2	Bromoform	BSD	REC 98	%	70-130
VY7434-BSD	75-25-2	Bromoform	BSD	RPD 4	%	20
VY7434-BSD	74-83-9	Bromomethane	BSD	REC 78	%	70-130
VY7434-BSD	74-83-9	Bromomethane	BSD	RPD 8	%	20
VY7434-BSD	78-93-3	2-Butanone (MEK)	BSD	REC 109	%	70-130
VY7434-BSD	78-93-3	2-Butanone (MEK)	BSD	RPD 9	%	20
VY7434-BSD	104-51-8	n-Butylbenzene	BSD	REC 88	%	70-130
VY7434-BSD	104-51-8	n-Butylbenzene	BSD	RPD 5	%	20
VY7434-BSD	135-98-8	sec-Butylbenzene	BSD	REC 87	%	70-130
VY7434-BSD	135-98-8	sec-Butylbenzene	BSD	RPD 5	%	20
VY7434-BSD	98-06-6	tert-Butylbenzene	BSD	REC 90	%	70-130
VY7434-BSD	98-06-6	tert-Butylbenzene	BSD	RPD 4	%	20
VY7434-BSD	75-15-0	Carbon disulfide	BSD	REC 90	%	70-130
VY7434-BSD	75-15-0	Carbon disulfide	BSD	RPD 8	%	20
VY7434-BSD	56-23-5	Carbon tetrachloride	BSD	REC 82	%	70-130
VY7434-BSD	56-23-5	Carbon tetrachloride	BSD	RPD 8	%	20
VY7434-BSD	108-90-7	Chlorobenzene	BSD	REC 92	%	70-130
VY7434-BSD	108-90-7	Chlorobenzene	BSD	RPD 3	%	20
VY7434-BSD	75-00-3	Chloroethane	BSD	REC 84	%	70-130
VY7434-BSD	75-00-3	Chloroethane	BSD	RPD 7	%	20
VY7434-BSD	67-66-3	Chloroform	BSD	REC 83	%	70-130
VY7434-BSD	67-66-3	Chloroform	BSD	RPD 4	%	20
VY7434-BSD	74-87-3	Chloromethane	BSD	REC 79	%	70-130
VY7434-BSD	74-87-3	Chloromethane	BSD	RPD 11	%	20
VY7434-BSD	95-49-8	o-Chlorotoluene	BSD	REC 96	%	70-130
VY7434-BSD	95-49-8	o-Chlorotoluene	BSD	RPD 4	%	20
VY7434-BSD	106-43-4	p-Chlorotoluene	BSD	REC 93	%	70-130
VY7434-BSD	106-43-4	p-Chlorotoluene	BSD	RPD 3	%	20
VY7434-BSD	108-20-3	Di-Isopropyl ether	BSD	REC 93	%	70-130
VY7434-BSD	108-20-3	Di-Isopropyl ether	BSD	RPD 3	%	20
VY7434-BSD	96-12-8	1,2-Dibromo-3-chloropropane	BSD	REC 90	%	70-130
VY7434-BSD	96-12-8	1,2-Dibromo-3-chloropropane	BSD	RPD 4	%	20
VY7434-BSD	124-48-1	Dibromochloromethane	BSD	REC 91	%	70-130
VY7434-BSD	124-48-1	Dibromochloromethane	BSD	RPD 5	%	20
VY7434-BSD	106-93-4	1,2-Dibromomethane	BSD	REC 94	%	70-130
VY7434-BSD	106-93-4	1,2-Dibromomethane	BSD	RPD 4	%	20
VY7434-BSD	95-50-1	1,2-Dichlorobenzene	BSD	REC 93	%	70-130
VY7434-BSD	95-50-1	1,2-Dichlorobenzene	BSD	RPD 4	%	20
VY7434-BSD	541-73-1	1,3-Dichlorobenzene	BSD	REC 94	%	70-130
VY7434-BSD	541-73-1	1,3-Dichlorobenzene	BSD	RPD 3	%	20
VY7434-BSD	106-46-7	1,4-Dichlorobenzene	BSD	REC 93	%	70-130

* Sample used for QC is not from job MC50190

QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result	Units	Limits
VY7434-BSD	106-46-7	1,4-Dichlorobenzene	BSD	RPD 3	%	20
VY7434-BSD	75-71-8	Dichlorodifluoromethane	BSD	REC 76	%	70-130
VY7434-BSD	75-71-8	Dichlorodifluoromethane	BSD	RPD 11	%	20
VY7434-BSD	75-34-3	1,1-Dichloroethane	BSD	REC 89	%	70-130
VY7434-BSD	75-34-3	1,1-Dichloroethane	BSD	RPD 6	%	20
VY7434-BSD	107-06-2	1,2-Dichloroethane	BSD	REC 86	%	70-130
VY7434-BSD	107-06-2	1,2-Dichloroethane	BSD	RPD 3	%	20
VY7434-BSD	75-35-4	1,1-Dichloroethene	BSD	REC 85	%	70-130
VY7434-BSD	75-35-4	1,1-Dichloroethene	BSD	RPD 8	%	20
VY7434-BSD	156-59-2	cis-1,2-Dichloroethene	BSD	REC 85	%	70-130
VY7434-BSD	156-59-2	cis-1,2-Dichloroethene	BSD	RPD 3	%	20
VY7434-BSD	156-60-5	trans-1,2-Dichloroethene	BSD	REC 89	%	70-130
VY7434-BSD	156-60-5	trans-1,2-Dichloroethene	BSD	RPD 6	%	20
VY7434-BSD	78-87-5	1,2-Dichloropropane	BSD	REC 95	%	70-130
VY7434-BSD	78-87-5	1,2-Dichloropropane	BSD	RPD 1	%	20
VY7434-BSD	142-28-9	1,3-Dichloropropane	BSD	REC 94	%	70-130
VY7434-BSD	142-28-9	1,3-Dichloropropane	BSD	RPD 3	%	20
VY7434-BSD	594-20-7	2,2-Dichloropropane	BSD	REC 86	%	70-130
VY7434-BSD	594-20-7	2,2-Dichloropropane	BSD	RPD 6	%	20
VY7434-BSD	563-58-6	1,1-Dichloropropene	BSD	REC 86	%	70-130
VY7434-BSD	563-58-6	1,1-Dichloropropene	BSD	RPD 4	%	20
VY7434-BSD	10061-01-5	cis-1,3-Dichloropropene	BSD	REC 97	%	70-130
VY7434-BSD	10061-01-5	cis-1,3-Dichloropropene	BSD	RPD 2	%	20
VY7434-BSD	10061-02-6	trans-1,3-Dichloropropene	BSD	REC 91	%	70-130
VY7434-BSD	10061-02-6	trans-1,3-Dichloropropene	BSD	RPD 2	%	20
VY7434-BSD	123-91-1	1,4-Dioxane	BSD	REC 95	%	70-130
VY7434-BSD	123-91-1	1,4-Dioxane	BSD	RPD 3	%	20
VY7434-BSD	60-29-7	Ethyl Ether	BSD	REC 95	%	70-130
VY7434-BSD	60-29-7	Ethyl Ether	BSD	RPD 4	%	20
VY7434-BSD	100-41-4	Ethylbenzene	BSD	REC 88	%	70-130
VY7434-BSD	100-41-4	Ethylbenzene	BSD	RPD 3	%	20
VY7434-BSD	87-68-3	Hexachlorobutadiene	BSD	REC 90	%	70-130
VY7434-BSD	87-68-3	Hexachlorobutadiene	BSD	RPD 5	%	20
VY7434-BSD	591-78-6	2-Hexanone	BSD	REC 111	%	70-130
VY7434-BSD	591-78-6	2-Hexanone	BSD	RPD 9	%	20
VY7434-BSD	98-82-8	Isopropylbenzene	BSD	REC 85	%	70-130
VY7434-BSD	98-82-8	Isopropylbenzene	BSD	RPD 5	%	20
VY7434-BSD	99-87-6	p-Isopropyltoluene	BSD	REC 89	%	70-130
VY7434-BSD	99-87-6	p-Isopropyltoluene	BSD	RPD 5	%	20
VY7434-BSD	1634-04-4	Methyl Tert Butyl Ether	BSD	REC 91	%	70-130
VY7434-BSD	1634-04-4	Methyl Tert Butyl Ether	BSD	RPD 6	%	20
VY7434-BSD	108-10-1	4-Methyl-2-pentanone(MIBK)	BSD	REC 111	%	70-130
VY7434-BSD	108-10-1	4-Methyl-2-pentanone(MIBK)	BSD	RPD 7	%	20
VY7434-BSD	74-95-3	Methylene bromide	BSD	REC 91	%	70-130
VY7434-BSD	74-95-3	Methylene bromide	BSD	RPD 5	%	20

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QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result	Units	Limits
VY7434-BSD	75-09-2	Methylene chloride	BSD	REC 90	%	70-130
VY7434-BSD	75-09-2	Methylene chloride	BSD	RPD 6	%	20
VY7434-BSD	91-20-3	Naphthalene	BSD	REC 92	%	70-130
VY7434-BSD	91-20-3	Naphthalene	BSD	RPD 5	%	20
VY7434-BSD	103-65-1	n-Propylbenzene	BSD	REC 91	%	70-130
VY7434-BSD	103-65-1	n-Propylbenzene	BSD	RPD 4	%	20
VY7434-BSD	100-42-5	Styrene	BSD	REC 91	%	70-130
VY7434-BSD	100-42-5	Styrene	BSD	RPD 2	%	20
VY7434-BSD	994-05-8	tert-Amyl Methyl Ether	BSD	REC 90	%	70-130
VY7434-BSD	994-05-8	tert-Amyl Methyl Ether	BSD	RPD 5	%	20
VY7434-BSD	637-92-3	tert-Butyl Ethyl Ether	BSD	REC 95	%	70-130
VY7434-BSD	637-92-3	tert-Butyl Ethyl Ether	BSD	RPD 3	%	20
VY7434-BSD	630-20-6	1,1,1,2-Tetrachloroethane	BSD	REC 85	%	70-130
VY7434-BSD	630-20-6	1,1,1,2-Tetrachloroethane	BSD	RPD 3	%	20
VY7434-BSD	79-34-5	1,1,2,2-Tetrachloroethane	BSD	REC 99	%	70-130
VY7434-BSD	79-34-5	1,1,2,2-Tetrachloroethane	BSD	RPD 6	%	20
VY7434-BSD	127-18-4	Tetrachloroethene	BSD	REC 87	%	70-130
VY7434-BSD	127-18-4	Tetrachloroethene	BSD	RPD 3	%	20
VY7434-BSD	109-99-9	Tetrahydrofuran	BSD	REC 116	%	70-130
VY7434-BSD	109-99-9	Tetrahydrofuran	BSD	RPD 8	%	20
VY7434-BSD	108-88-3	Toluene	BSD	REC 87	%	70-130
VY7434-BSD	108-88-3	Toluene	BSD	RPD 3	%	20
VY7434-BSD	87-61-6	1,2,3-Trichlorobenzene	BSD	REC 96	%	70-130
VY7434-BSD	87-61-6	1,2,3-Trichlorobenzene	BSD	RPD 4	%	20
VY7434-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	REC 94	%	70-130
VY7434-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	RPD 3	%	20
VY7434-BSD	71-55-6	1,1,1-Trichloroethane	BSD	REC 82	%	70-130
VY7434-BSD	71-55-6	1,1,1-Trichloroethane	BSD	RPD 7	%	20
VY7434-BSD	79-00-5	1,1,2-Trichloroethane	BSD	REC 94	%	70-130
VY7434-BSD	79-00-5	1,1,2-Trichloroethane	BSD	RPD 3	%	20
VY7434-BSD	79-01-6	Trichloroethene	BSD	REC 91	%	70-130
VY7434-BSD	79-01-6	Trichloroethene	BSD	RPD 4	%	20
VY7434-BSD	75-69-4	Trichlorofluoromethane	BSD	REC 88	%	70-130
VY7434-BSD	75-69-4	Trichlorofluoromethane	BSD	RPD 7	%	20
VY7434-BSD	96-18-4	1,2,3-Trichloropropane	BSD	REC 99	%	70-130
VY7434-BSD	96-18-4	1,2,3-Trichloropropane	BSD	RPD 6	%	20
VY7434-BSD	95-63-6	1,2,4-Trimethylbenzene	BSD	REC 90	%	70-130
VY7434-BSD	95-63-6	1,2,4-Trimethylbenzene	BSD	RPD 3	%	20
VY7434-BSD	108-67-8	1,3,5-Trimethylbenzene	BSD	REC 90	%	70-130
VY7434-BSD	108-67-8	1,3,5-Trimethylbenzene	BSD	RPD 4	%	20
VY7434-BSD	75-01-4	Vinyl chloride	BSD	REC 82	%	70-130
VY7434-BSD	75-01-4	Vinyl chloride	BSD	RPD 9	%	20
VY7434-BSD		m,p-Xylene	BSD	REC 91	%	70-130
VY7434-BSD		m,p-Xylene	BSD	RPD 4	%	20
VY7434-BSD	95-47-6	o-Xylene	BSD	REC 85	%	70-130

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QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result	Units	Limits
VY7434-BSD	95-47-6	o-Xylene	BSD	RPD 3	%	20
VY7434-BSD	1330-20-7	Xylene (total)	BSD	REC 89	%	70-130
VY7434-BSD	1330-20-7	Xylene (total)	BSD	RPD 4	%	20
VY7434-BSD	1868-53-7	Dibromofluoromethane	BSD	SURR 97	%	70-130
VY7434-BSD	2037-26-5	Toluene-D8	BSD	SURR 98	%	70-130
VY7434-BSD	460-00-4	4-Bromofluorobenzene	BSD	SURR 108	%	70-130
VY7434-MB	1868-53-7	Dibromofluoromethane	MB	SURR 99	%	70-130
VY7434-MB	2037-26-5	Toluene-D8	MB	SURR 97	%	70-130
VY7434-MB	460-00-4	4-Bromofluorobenzene	MB	SURR 112	%	70-130
MC50190-2	1868-53-7	Dibromofluoromethane	SAMP	SURR 101	%	70-130
MC50190-2	2037-26-5	Toluene-D8	SAMP	SURR 99	%	70-130
MC50190-2	460-00-4	4-Bromofluorobenzene	SAMP	SURR 119	%	70-130
OP2255	SW846 8270D					
OP2255-BSD	65-85-0	Benzoic acid	BSP	REC 88	%	30-130
OP2255-BSD	95-57-8	2-Chlorophenol	BSP	REC 77	%	30-130
OP2255-BSD	59-50-7	4-Chloro-3-methyl phenol	BSP	REC 79	%	30-130
OP2255-BSD	120-83-2	2,4-Dichlorophenol	BSP	REC 81	%	30-130
OP2255-BSD	105-67-9	2,4-Dimethylphenol	BSP	REC 74	%	30-130
OP2255-BSD	51-28-5	2,4-Dinitrophenol	BSP	REC 89	%	30-130
OP2255-BSD	534-52-1	4,6-Dinitro-o-cresol	BSP	REC 87	%	30-130
OP2255-BSD	95-48-7	2-Methylphenol	BSP	REC 80	%	30-130
OP2255-BSD	88-75-5	3&4-Methylphenol	BSP	REC 82	%	30-130
OP2255-BSD	100-02-7	2-Nitrophenol	BSP	REC 80	%	30-130
OP2255-BSD	87-86-5	4-Nitrophenol	BSP	REC 97	%	30-130
OP2255-BSD	87-86-5	Pentachlorophenol	BSP	REC 101	%	30-130
OP2255-BSD	108-95-2	Phenol	BSP	REC 79	%	30-130
OP2255-BSD	95-95-4	2,4,5-Trichlorophenol	BSP	REC 93	%	30-130
OP2255-BSD	88-06-2	2,4,6-Trichlorophenol	BSP	REC 95	%	30-130
OP2255-BSD	83-32-9	Acenaphthene	BSP	REC 87	%	40-140
OP2255-BSD	208-96-8	Acenaphthylene	BSP	REC 89	%	40-140
OP2255-BSD	98-86-2	Acetophenone	BSP	REC 80	%	40-140
OP2255-BSD	62-53-3	Aniline	BSP	REC 52	%	40-140
OP2255-BSD	120-12-7	Anthracene	BSP	REC 93	%	40-140
OP2255-BSD	56-55-3	Benzo(a)anthracene	BSP	REC 92	%	40-140
OP2255-BSD	50-32-8	Benzo(a)pyrene	BSP	REC 96	%	40-140
OP2255-BSD	205-99-2	Benzo(b)fluoranthene	BSP	REC 92	%	40-140
OP2255-BSD	191-24-2	Benzo(g,h,i)perylene	BSP	REC 94	%	40-140
OP2255-BSD	207-08-9	Benzo(k)fluoranthene	BSP	REC 98	%	40-140
OP2255-BSD	101-55-3	4-Bromophenyl phenyl ether	BSP	REC 98	%	40-140
OP2255-BSD	85-68-7	Butyl benzyl phthalate	BSP	REC 98	%	40-140
OP2255-BSD	91-58-7	2-Chloronaphthalene	BSP	REC 94	%	40-140
OP2255-BSD	106-47-8	4-Chloroaniline	BSP	REC 46	%	40-140
OP2255-BSD	218-01-9	Chrysene	BSP	REC 91	%	40-140

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QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

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QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Units	Limits
OP2255-BS1	111-91-1	bis(2-Chloroethoxy)methane	BSP	REC 80	%	40-140
OP2255-BS1	111-44-4	bis(2-Chloroethyl)ether	BSP	REC 86	%	40-140
OP2255-BS1	108-60-1	bis(2-Chloroisopropyl)ether	BSP	REC 85	%	40-140
OP2255-BS1	7005-72-3	4-Chlorophenyl phenyl ether	BSP	REC 94	%	40-140
OP2255-BS1	95-50-1	1,2-Dichlorobenzene	BSP	REC 88	%	40-140
OP2255-BS1	122-66-7	1,2-Diphenylhydrazine	BSP	REC 93	%	40-140
OP2255-BS1	541-73-1	1,3-Dichlorobenzene	BSP	REC 86	%	40-140
OP2255-BS1	106-46-7	1,4-Dichlorobenzene	BSP	REC 86	%	40-140
OP2255-BS1	121-14-2	2,4-Dinitrotoluene	BSP	REC 99	%	40-140
OP2255-BS1	606-20-2	2,6-Dinitrotoluene	BSP	REC 97	%	40-140
OP2255-BS1	91-94-1	3,3'-Dichlorobenzidine	BSP	REC 74	%	40-140
OP2255-BS1	53-70-3	Dibenzo(a,h)anthracene	BSP	REC 96	%	40-140
OP2255-BS1	132-64-9	Dibenzofuran	BSP	REC 92	%	40-140
OP2255-BS1	84-74-2	Di-n-butyl phthalate	BSP	REC 96	%	40-140
OP2255-BS1	117-84-0	Di-n-octyl phthalate	BSP	REC 96	%	40-140
OP2255-BS1	84-66-2	Diethyl phthalate	BSP	REC 93	%	40-140
OP2255-BS1	131-11-3	Dimethyl phthalate	BSP	REC 93	%	40-140
OP2255-BS1	117-81-7	bis(2-Ethylhexyl)phthalate	BSP	REC 98	%	40-140
OP2255-BS1	206-44-0	Fluoranthene	BSP	REC 95	%	40-140
OP2255-BS1	86-73-7	Fluorene	BSP	REC 91	%	40-140
OP2255-BS1	118-74-1	Hexachlorobenzene	BSP	REC 99	%	40-140
OP2255-BS1	87-68-3	Hexachlorobutadiene	BSP	REC 87	%	40-140
OP2255-BS1	77-47-4	Hexachlorocyclopentadiene	BSP	REC 97	%	40-140
OP2255-BS1	67-72-1	Hexachloroethane	BSP	REC 91	%	40-140
OP2255-BS1	193-39-5	Indeno(1,2,3-cd)pyrene	BSP	REC 86	%	40-140
OP2255-BS1	78-59-1	Isophorone	BSP	REC 77	%	40-140
OP2255-BS1	91-57-6	2-Methylnaphthalene	BSP	REC 79	%	40-140
OP2255-BS1	91-20-3	Naphthalene	BSP	REC 75	%	40-140
OP2255-BS1	98-95-3	Nitrobenzene	BSP	REC 75	%	40-140
OP2255-BS1	62-75-9	n-Nitrosodimethylamine	BSP	REC 70	%	40-140
OP2255-BS1	621-64-7	N-Nitroso-di-n-propylamine	BSP	REC 81	%	40-140
OP2255-BS1	86-30-6	N-Nitrosodiphenylamine	BSP	REC 98	%	40-140
OP2255-BS1	85-01-8	Phenanthrene	BSP	REC 91	%	40-140
OP2255-BS1	129-00-0	Pyrene	BSP	REC 95	%	40-140
OP2255-BS1	120-82-1	1,2,4-Trichlorobenzene	BSP	REC 83	%	40-140
OP2255-BS1	367-12-4	2-Fluorophenol	BSP	SURR 86	%	30-130
OP2255-BS1	4165-62-2	Phenol-d5	BSP	SURR 86	%	30-130
OP2255-BS1	118-79-6	2,4,6-Tribromophenol	BSP	SURR 110	%	30-130
OP2255-BS1	4165-60-0	Nitrobenzene-d5	BSP	SURR 75	%	30-130
OP2255-BS1	321-60-8	2-Fluorobiphenyl	BSP	SURR 93	%	30-130
OP2255-BS1	1718-51-0	Terphenyl-d14	BSP	SURR 100	%	30-130
OP2255-BS13	367-12-4	2-Fluorophenol	BSP	SURR 76	%	30-130
OP2255-BS13	4165-62-2	Phenol-d5	BSP	SURR 75	%	30-130
OP2255-BS13	118-79-6	2,4,6-Tribromophenol	BSP	SURR 97	%	30-130
OP2255-BS13	4165-60-0	Nitrobenzene-d5	BSP	SURR 73	%	30-130

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QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

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QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Units	Limits
OP2255-BS13	321-60-8	2-Fluorobiphenyl	BSP	SURR 81	%	30-130
OP2255-BS13	1718-51-0	Terphenyl-d14	BSP	SURR 100	%	30-130
OP2255-BSD	65-85-0	Benzoic acid	BSD	REC 88	%	30-130
OP2255-BSD	65-85-0	Benzoic acid	BSD	RPD 1	%	30
OP2255-BSD	95-57-8	2-Chlorophenol	BSD	REC 77	%	30-130
OP2255-BSD	95-57-8	2-Chlorophenol	BSD	RPD 0	%	30
OP2255-BSD	59-50-7	4-Chloro-3-methyl phenol	BSD	REC 79	%	30-130
OP2255-BSD	59-50-7	4-Chloro-3-methyl phenol	BSD	RPD 1	%	30
OP2255-BSD	120-83-2	2,4-Dichlorophenol	BSD	REC 82	%	30-130
OP2255-BSD	120-83-2	2,4-Dichlorophenol	BSD	RPD 1	%	30
OP2255-BSD	105-67-9	2,4-Dimethylphenol	BSD	REC 77	%	30-130
OP2255-BSD	105-67-9	2,4-Dimethylphenol	BSD	RPD 3	%	30
OP2255-BSD	51-28-5	2,4-Dinitrophenol	BSD	REC 91	%	30-130
OP2255-BSD	51-28-5	2,4-Dinitrophenol	BSD	RPD 1	%	30
OP2255-BSD	534-52-1	4,6-Dinitro-o-cresol	BSD	REC 86	%	30-130
OP2255-BSD	534-52-1	4,6-Dinitro-o-cresol	BSD	RPD 1	%	30
OP2255-BSD	95-48-7	2-Methylphenol	BSD	REC 82	%	30-130
OP2255-BSD	95-48-7	2-Methylphenol	BSD	RPD 2	%	30
OP2255-BSD		3&4-Methylphenol	BSD	REC 84	%	30-130
OP2255-BSD		3&4-Methylphenol	BSD	RPD 2	%	30
OP2255-BSD	88-75-5	2-Nitrophenol	BSD	REC 80	%	30-130
OP2255-BSD	88-75-5	2-Nitrophenol	BSD	RPD 0	%	30
OP2255-BSD	100-02-7	4-Nitrophenol	BSD	REC 96	%	30-130
OP2255-BSD	100-02-7	4-Nitrophenol	BSD	RPD 1	%	30
OP2255-BSD	87-86-5	Pentachlorophenol	BSD	REC 99	%	30-130
OP2255-BSD	87-86-5	Pentachlorophenol	BSD	RPD 2	%	30
OP2255-BSD	108-95-2	Phenol	BSD	REC 81	%	30-130
OP2255-BSD	108-95-2	Phenol	BSD	RPD 2	%	30
OP2255-BSD	95-95-4	2,4,5-Trichlorophenol	BSD	REC 91	%	30-130
OP2255-BSD	95-95-4	2,4,5-Trichlorophenol	BSD	RPD 2	%	30
OP2255-BSD	88-06-2	2,4,6-Trichlorophenol	BSD	REC 94	%	30-130
OP2255-BSD	88-06-2	2,4,6-Trichlorophenol	BSD	RPD 1	%	30
OP2255-BSD	83-32-9	Acenaphthene	BSD	REC 85	%	40-140
OP2255-BSD	83-32-9	Acenaphthene	BSD	RPD 2	%	30
OP2255-BSD	208-96-8	Acenaphthylene	BSD	REC 87	%	40-140
OP2255-BSD	208-96-8	Acenaphthylene	BSD	RPD 3	%	30
OP2255-BSD	98-86-2	Acetophenone	BSD	REC 81	%	40-140
OP2255-BSD	98-86-2	Acetophenone	BSD	RPD 1	%	30
OP2255-BSD	62-53-3	Aniline	BSD	REC 56	%	40-140
OP2255-BSD	62-53-3	Aniline	BSD	RPD 8	%	30
OP2255-BSD	120-12-7	Anthracene	BSD	REC 88	%	40-140
OP2255-BSD	120-12-7	Anthracene	BSD	RPD 6	%	30
OP2255-BSD	56-55-3	Benzo(a)anthracene	BSD	REC 87	%	40-140
OP2255-BSD	56-55-3	Benzo(a)anthracene	BSD	RPD 6	%	30
OP2255-BSD	50-32-8	Benzo(a)pyrene	BSD	REC 91	%	40-140

* Sample used for QC is not from job MC50190

QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: SGS Accutest New England
Project: ENVTRAC: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result	Units Limits
OP2255-BSD	50-32-8	Benzo(a)pyrene	BSD	RPD 5	% 30
OP2255-BSD	205-99-2	Benzo(b)fluoranthene	BSD	REC 87	% 40-140
OP2255-BSD	205-99-2	Benzo(b)fluoranthene	BSD	RPD 6	% 30
OP2255-BSD	191-24-2	Benzo(g,h,i)perylene	BSD	REC 90	% 40-140
OP2255-BSD	191-24-2	Benzo(g,h,i)perylene	BSD	RPD 5	% 30
OP2255-BSD	207-08-9	Benzo(k)fluoranthene	BSD	REC 92	% 40-140
OP2255-BSD	207-08-9	Benzo(k)fluoranthene	BSD	RPD 7	% 30
OP2255-BSD	101-55-3	4-Bromophenyl phenyl ether	BSD	REC 94	% 40-140
OP2255-BSD	101-55-3	4-Bromophenyl phenyl ether	BSD	RPD 5	% 30
OP2255-BSD	85-68-7	Butyl benzyl phthalate	BSD	REC 94	% 40-140
OP2255-BSD	85-68-7	Butyl benzyl phthalate	BSD	RPD 5	% 30
OP2255-BSD	91-58-7	2-Chloronaphthalene	BSD	REC 91	% 40-140
OP2255-BSD	91-58-7	2-Chloronaphthalene	BSD	RPD 4	% 30
OP2255-BSD	106-47-8	4-Chloroaniline	BSD	REC 46	% 40-140
OP2255-BSD	106-47-8	4-Chloroaniline	BSD	RPD 0	% 30
OP2255-BSD	218-01-9	Chrysene	BSD	REC 86	% 40-140
OP2255-BSD	218-01-9	Chrysene	BSD	RPD 5	% 30
OP2255-BSD	111-91-1	bis(2-Chloroethoxy)methane	BSD	REC 78	% 40-140
OP2255-BSD	111-91-1	bis(2-Chloroethoxy)methane	BSD	RPD 2	% 30
OP2255-BSD	111-44-4	bis(2-Chloroethyl)ether	BSD	REC 85	% 40-140
OP2255-BSD	111-44-4	bis(2-Chloroethyl)ether	BSD	RPD 1	% 30
OP2255-BSD	108-60-1	bis(2-Chloroisopropyl)ether	BSD	REC 82	% 40-140
OP2255-BSD	108-60-1	bis(2-Chloroisopropyl)ether	BSD	RPD 4	% 30
OP2255-BSD	7005-72-3	4-Chlorophenyl phenyl ether	BSD	REC 91	% 40-140
OP2255-BSD	7005-72-3	4-Chlorophenyl phenyl ether	BSD	RPD 4	% 30
OP2255-BSD	95-50-1	1,2-Dichlorobenzene	BSD	REC 85	% 40-140
OP2255-BSD	95-50-1	1,2-Dichlorobenzene	BSD	RPD 3	% 30
OP2255-BSD	122-66-7	1,2-Diphenylhydrazine	BSD	REC 89	% 40-140
OP2255-BSD	122-66-7	1,2-Diphenylhydrazine	BSD	RPD 5	% 30
OP2255-BSD	541-73-1	1,3-Dichlorobenzene	BSD	REC 84	% 40-140
OP2255-BSD	541-73-1	1,3-Dichlorobenzene	BSD	RPD 2	% 30
OP2255-BSD	106-46-7	1,4-Dichlorobenzene	BSD	REC 84	% 40-140
OP2255-BSD	106-46-7	1,4-Dichlorobenzene	BSD	RPD 3	% 30
OP2255-BSD	121-14-2	2,4-Dinitrotoluene	BSD	REC 94	% 40-140
OP2255-BSD	121-14-2	2,4-Dinitrotoluene	BSD	RPD 6	% 30
OP2255-BSD	606-20-2	2,6-Dinitrotoluene	BSD	REC 95	% 40-140
OP2255-BSD	606-20-2	2,6-Dinitrotoluene	BSD	RPD 3	% 30
OP2255-BSD	91-94-1	3,3'-Dichlorobenzidine	BSD	REC 69	% 40-140
OP2255-BSD	91-94-1	3,3'-Dichlorobenzidine	BSD	RPD 7	% 30
OP2255-BSD	53-70-3	Dibenzo(a,h)anthracene	BSD	REC 91	% 40-140
OP2255-BSD	53-70-3	Dibenzo(a,h)anthracene	BSD	RPD 5	% 30
OP2255-BSD	132-64-9	Dibenzofuran	BSD	REC 92	% 40-140
OP2255-BSD	132-64-9	Dibenzofuran	BSD	RPD 1	% 30
OP2255-BSD	84-74-2	Di-n-butyl phthalate	BSD	REC 91	% 40-140
OP2255-BSD	84-74-2	Di-n-butyl phthalate	BSD	RPD 6	% 30

* Sample used for QC is not from job MC50190

QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: SGS Accutest New England
Project: ENVTRAC: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result	Units Limits
OP2255-BSD	117-84-0	Di-n-octyl phthalate	BSD	REC 91	% 40-140
OP2255-BSD	117-84-0	Di-n-octyl phthalate	BSD	RPD 5	% 30
OP2255-BSD	84-66-2	Diethyl phthalate	BSD	REC 88	% 40-140
OP2255-BSD	84-66-2	Diethyl phthalate	BSD	RPD 5	% 30
OP2255-BSD	131-11-3	Dimethyl phthalate	BSD	REC 88	% 40-140
OP2255-BSD	131-11-3	Dimethyl phthalate	BSD	RPD 5	% 30
OP2255-BSD	117-81-7	bis(2-Ethylhexyl)phthalate	BSD	REC 92	% 40-140
OP2255-BSD	117-81-7	bis(2-Ethylhexyl)phthalate	BSD	RPD 6	% 30
OP2255-BSD	206-44-0	Fluoranthene	BSD	REC 88	% 40-140
OP2255-BSD	206-44-0	Fluoranthene	BSD	RPD 7	% 30
OP2255-BSD	86-73-7	Fluorene	BSD	REC 88	% 40-140
OP2255-BSD	86-73-7	Fluorene	BSD	RPD 4	% 30
OP2255-BSD	118-74-1	Hexachlorobenzene	BSD	REC 94	% 40-140
OP2255-BSD	118-74-1	Hexachlorobenzene	BSD	RPD 5	% 30
OP2255-BSD	87-68-3	Hexachlorobutadiene	BSD	REC 84	% 40-140
OP2255-BSD	87-68-3	Hexachlorobutadiene	BSD	RPD 4	% 30
OP2255-BSD	77-47-4	Hexachlorocyclopentadiene	BSD	REC 97	% 40-140
OP2255-BSD	77-47-4	Hexachlorocyclopentadiene	BSD	RPD 1	% 30
OP2255-BSD	67-72-1	Hexachloroethane	BSD	REC 87	% 40-140
OP2255-BSD	67-72-1	Hexachloroethane	BSD	RPD 4	% 30
OP2255-BSD	193-39-5	Indeno(1,2,3-cd)pyrene	BSD	REC 82	% 40-140
OP2255-BSD	193-39-5	Indeno(1,2,3-cd)pyrene	BSD	RPD 5	% 30
OP2255-BSD	78-59-1	Isophorone	BSD	REC 77	% 40-140
OP2255-BSD	78-59-1	Isophorone	BSD	RPD 1	% 30
OP2255-BSD	91-57-6	2-Methylnaphthalene	BSD	REC 79	% 40-140
OP2255-BSD	91-57-6	2-Methylnaphthalene	BSD	RPD 0	% 30
OP2255-BSD	91-20-3	Naphthalene	BSD	REC 73	% 40-140
OP2255-BSD	91-20-3	Naphthalene	BSD	RPD 2	% 30
OP2255-BSD	98-95-3	Nitrobenzene	BSD	REC 73	% 40-140
OP2255-BSD	98-95-3	Nitrobenzene	BSD	RPD 2	% 30
OP2255-BSD	62-75-9	n-Nitrosodimethylamine	BSD	REC 67	% 40-140
OP2255-BSD	62-75-9	n-Nitrosodimethylamine	BSD	RPD 4	% 30
OP2255-BSD	621-64-7	N-Nitroso-di-n-propylamine	BSD	REC 80	% 40-140
OP2255-BSD	621-64-7	N-Nitroso-di-n-propylamine	BSD	RPD 1	% 30
OP2255-BSD	86-30-6	N-Nitrosodiphenylamine	BSD	REC 92	% 40-140
OP2255-BSD	86-30-6	N-Nitrosodiphenylamine	BSD	RPD 7	% 30
OP2255-BSD	85-01-8	Phenanthrene	BSD	REC 86	% 40-140
OP2255-BSD	85-01-8	Phenanthrene	BSD	RPD 5	% 30
OP2255-BSD	129-00-0	Pyrene	BSD	REC 90	% 40-140
OP2255-BSD	129-00-0	Pyrene	BSD	RPD 5	% 30
OP2255-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	REC 80	% 40-140
OP2255-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	RPD 4	% 30
OP2255-BSD	367-12-4	2-Fluorophenol	BSD	SURR 87	% 30-130
OP2255-BSD	4165-62-2	Phenol d5	BSD	SURR 87	% 30-130
OP2255-BSD	118-79-6	2,4,6-Tribromophenol	BSD	SURR 107	% 30-130

* Sample used for QC is not from job MC50190

QC Evaluation: MA MCP Limits

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Job Number: MC50190

Account: SGS Accutest New England

Project: ENV/TRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result	Units	Limits
OP2255-BSD	4165-60-0	Nitrobenzene-d5	BSD	SURR 76	%	30-130
OP2255-BSD	321-60-8	2-Fluorobiphenyl	BSD	SURR 94	%	30-130
OP2255-BSD	1718-51-0	Terphenyl-d14	BSD	SURR 97	%	30-130
OP2255-MB1	367-12-4	2-Fluorophenol	MB	SURR 89	%	30-130
OP2255-MB1	367-12-4	2-Fluorophenol	MB	SURR 86	%	30-130
OP2255-MB1	4165-62-2	Phenol d5	MB	SURR 88	%	30-130
OP2255-MB1	4165-62-2	Phenol d5	MB	SURR 87	%	30-130
OP2255-MB1	118-79-6	2,4,6-Tribromophenol	MB	SURR 95	%	30-130
OP2255-MB1	118-79-6	2,4,6-Tribromophenol	MB	SURR 102	%	30-130
OP2255-MB1	4165-60-0	Nitrobenzene-d5	MB	SURR 101	%	30-130
OP2255-MB1	4165-60-0	Nitrobenzene-d5	MB	SURR 83	%	30-130
OP2255-MB1	321-60-8	2-Fluorobiphenyl	MB	SURR 96	%	30-130
OP2255-MB1	321-60-8	2-Fluorobiphenyl	MB	SURR 93	%	30-130
OP2255-MB1	1718-51-0	Terphenyl-d14	MB	SURR 98	%	30-130
OP2255-MB1	1718-51-0	Terphenyl-d14	MB	SURR 87	%	30-130
MC50190-1	367-12-4	2-Fluorophenol	SAMP	SURR 50	%	30-130
MC50190-1	367-12-4	2-Fluorophenol	SAMP	SURR 56	%	30-130
MC50190-1	4165-62-2	Phenol d5	SAMP	SURR 57	%	30-130
MC50190-1	4165-62-2	Phenol d5	SAMP	SURR 48	%	30-130
MC50190-1	118-79-6	2,4,6-Tribromophenol	SAMP	SURR 82	%	30-130
MC50190-1	118-79-6	2,4,6-Tribromophenol	SAMP	SURR 53	%	30-130
MC50190-1	4165-60-0	Nitrobenzene d5	SAMP	SURR 59	%	30-130
MC50190-1	4165-60-0	Nitrobenzene-d5	SAMP	SURR 46	%	30-130
MC50190-1	321-60-8	2-Fluorobiphenyl	SAMP	SURR 70	%	30-130
MC50190-1	321-60-8	2-Fluorobiphenyl	SAMP	SURR 52	%	30-130
MC50190-1	1718-51-0	Terphenyl-d14	SAMP	SURR 69	%	30-130
MC50190-1	1718-51-0	Terphenyl-d14	SAMP	SURR 53	%	30-130
MC50190-2	367-12-4	2-Fluorophenol	SAMP	SURR 57	%	30-130
MC50190-2	367-12-4	2-Fluorophenol	SAMP	SURR 51	%	30-130
MC50190-2	4165-62-2	Phenol d5	SAMP	SURR 53	%	30-130
MC50190-2	4165-62-2	Phenol d5	SAMP	SURR 59	%	30-130
MC50190-2	118-79-6	2,4,6-Tribromophenol	SAMP	SURR 78	%	30-130
MC50190-2	118-79-6	2,4,6-Tribromophenol	SAMP	SURR 61	%	30-130
MC50190-2	4165-60-0	Nitrobenzene-d5	SAMP	SURR 50	%	30-130
MC50190-2	4165-60-0	Nitrobenzene-d5	SAMP	SURR 56	%	30-130
MC50190-2	321-60-8	2-Fluorobiphenyl	SAMP	SURR 66	%	30-130
MC50190-2	321-60-8	2-Fluorobiphenyl	SAMP	SURR 56	%	30-130
MC50190-2	1718-51-0	Terphenyl-d14	SAMP	SURR 72	%	30-130
MC50190-2	1718-51-0	Terphenyl-d14	SAMP	SURR 57	%	30-130
OP2180	SW846 8151					
OP2180 BS1	94-75-7	2,4 D	BSP	REC 83	%	40-140
OP2180 BS1	93 72 1	2,4,5 TP (Silvex)	BSP	REC 93	%	40 140
OP2180 BS1	93 76 5	2,4,5 T	BSP	REC 83	%	40 140

* Sample used for QC is not from job MC50190

QC Evaluation: MA MCP Limits

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Job Number: MC50190

Account: SGS Accutest New England

Project: ENV/TRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result	Units	Limits
OP2180-BS1	19719-28-9	2,4 DCAA (sig#1)	BSP	SURR 92	%	30-150
OP2180-BS1	19719-28-9	2,4 DCAA (sig#2)	BSP	SURR 98	%	30-150
OP2180-BS1	94-75-7	2,4-D	BSD	REC 90	%	40-140
OP2180-BS1	94-75-7	2,4-D	BSD	RPD 3	%	25
OP2180-BS1	93-72-1	2,4,5-TP (Silvex)	BSD	REC 96	%	40-140
OP2180-BS1	93-72-1	2,4,5-TP (Silvex)	BSD	RPD 4	%	25
OP2180-BS1	93-76-5	2,4,5-T	BSD	REC 89	%	40-140
OP2180-BS1	93-76-5	2,4,5-T	BSD	RPD 7	%	25
OP2180-BS1	19719-28-9	2,4 DCAA (sig#1)	BSD	SURR 94	%	30-150
OP2180-BS1	19719-28-9	2,4 DCAA (sig#2)	BSD	SURR 102	%	30-150
OP2180-MB1	19719-28-9	2,4 DCAA (sig#1)	MB	SURR 89	%	30-150
OP2180-MB1	19719-28-9	2,4 DCAA (sig#2)	MB	SURR 91	%	30-150
MC50190-1	19719-28-9	2,4 DCAA (sig#1)	SAMP	SURR 41	%	30-150
MC50190-1	19719-28-9	2,4 DCAA (sig#2)	SAMP	SURR 40	%	30-150
MC50190-2	19719-28-9	2,4 DCAA (sig#1)	SAMP	SURR 96	%	30-150
MC50190-2	19719-28-9	2,4 DCAA (sig#2)	SAMP	SURR 106	%	30-150

* Sample used for QC is not from job MC50190

Method Blank Summary

Job Number: MC50190
Account: ALINE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV7075-MB	V168138.D	1	04/25/17	SY	n/a	n/a	VV7075

GC/MS Volatiles

QC Data Summaries

(SGS Accutest New Jersey)

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- Surrogate Recovery Summaries

The QC reported here applies to the following samples:

MC50190-1

Method: SW846 8260C

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	10	ug/kg	
71-43-2	Benzene	ND	0.50	ug/kg	
108-86-1	Bromobenzene	ND	5.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	ug/kg	
75-25-2	Bromoform	ND	5.0	ug/kg	
74-83-9	Bromomethane	ND	5.0	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	ug/kg	
104-51-8	n-Butylbenzene	ND	2.0	ug/kg	
135-98-8	sec Butylbenzene	ND	2.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	2.0	ug/kg	
75-15-0	Carbon disulfide	ND	2.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	ug/kg	
67-66-3	Chloroform	ND	2.0	ug/kg	
74-87-3	Chloromethane	ND	5.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	2.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	2.0	ug/kg	
108-20-3	Di-Isopropyl ether	ND	2.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	2.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	2.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	2.0	ug/kg	

Method Blank Summary

Job Number: MC50190
Account: ALINE SGS Accutest New England
Project: ENVTRAC; Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV7075-MB	V168138.D	1	04/25/17	SY	n/a	n/a	VV7075

The QC reported here applies to the following samples:

MC50190-1

Method: SW846 8260C

CAS No.	Compound	Result	RL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	ug/kg	
123-91-1	1,4 Dioxane	ND	130	ug/kg	
60-29-7	Ethyl Ether	ND	2.0	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/kg	
591-78-6	2-Hexanone	ND	5.0	ug/kg	
98-82-8	Isopropylbenzene	ND	2.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	2.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	ug/kg	
75-09-2	Methylene chloride	ND	5.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	ug/kg	
103-65-1	n-Propylbenzene	ND	2.0	ug/kg	
100-42-5	Styrene	ND	2.0	ug/kg	
994-05-8	tert-Amyl Methyl Ether	ND	2.0	ug/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	ug/kg	
109-99-9	Tetrahydrofuran	ND	10	ug/kg	
108-88-3	Toluene	ND	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/kg	
79-01-6	Trichloroethene	ND	1.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	ug/kg	
95-47-6	m,p-Xylene	ND	1.0	ug/kg	
1330-20-7	o-Xylene	ND	1.0	ug/kg	
	Xylene (total)	ND	1.0	ug/kg	

Method Blank Summary

Job Number: MC50190
Account: ALINE SGS Accutest New England
Project: ENVTRAC; Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV7075-MB	V168138.D	1	04/25/17	SY	n/a	n/a	VV7075

The QC reported here applies to the following samples:

MC50190-1

Method: SW846 8260C

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	109%
17060-07-0	1,2-Dichloroethane-D4	70-122%
2037-26-5	Toluene-D8	68-124%
460-00-4	4-Bromofluorobenzene	77-125%
		72-130%
CAS No.	Tentatively Identified Compounds	R.T.
	Total TIC, Volatile	0 ug/kg

Job Number: MC50190
Account: ALINE SGS Accutest New England
Project: ENVTRAC; Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY7434-MB	Y171806.D	1	04/25/17	PS	n/a	n/a	VY7434

The QC reported here applies to the following samples:

Method: SW846 8260C

MC50190-2

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	10	ug/kg	
71-43-2	Benzene	ND	0.50	ug/kg	
108-86-1	Bromobenzene	ND	5.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	ug/kg	
75-25-2	Bromoform	ND	5.0	ug/kg	
74-83-9	Bromomethane	ND	5.0	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	ug/kg	
104-51-8	n-Butylbenzene	ND	2.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	2.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	2.0	ug/kg	
75-15-0	Carbon disulfide	ND	2.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	ug/kg	
67-66-3	Chloroform	ND	2.0	ug/kg	
74-87-3	Chloromethane	ND	5.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	2.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	2.0	ug/kg	
108-20-3	Di-Isopropyl ether	ND	2.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/kg	
75-34-3	1,1 Dichloroethane	ND	1.0	ug/kg	
107-06-2	1,2 Dichloroethane	ND	1.0	ug/kg	
75-35-4	1,1 Dichloroethene	ND	1.0	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	2.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	2.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	2.0	ug/kg	

Job Number: MC50190
Account: ALINE SGS Accutest New England
Project: ENVTRAC; Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY7434-MB	Y171806.D	1	04/25/17	PS	n/a	n/a	VY7434

The QC reported here applies to the following samples:

Method: SW846 8260C

MC50190-2

CAS No.	Compound	Result	RL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	ug/kg	
123-91-1	1,4-Dioxane	ND	130	ug/kg	
60-29-7	Ethyl Ether	ND	2.0	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/kg	
591-78-6	2-Hexanone	ND	5.0	ug/kg	
98-82-8	Isopropylbenzene	ND	2.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	2.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	ug/kg	
75-09-2	Methylene chloride	ND	5.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	ug/kg	
103-65-1	n-Propylbenzene	ND	2.0	ug/kg	
100-42-5	Styrene	ND	2.0	ug/kg	
994-05-8	tert-Amyl Methyl Ether	ND	2.0	ug/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	ug/kg	
109-99-9	Tetrahydrofuran	6.8	10	ug/kg	J
108-88-3	Toluene	ND	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/kg	
79-01-6	Trichloroethene	ND	1.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	ug/kg	
95-47-6	m,p-Xylene	ND	1.0	ug/kg	
	o-Xylene	ND	1.0	ug/kg	
1330-20-7	Xylene (total)	ND	1.0	ug/kg	

Method Blank Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC; Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY7434-MB	Y171806.D	1	04/25/17	PS	n/a	n/a	VY7434

The QC reported here applies to the following samples:

Method: SW846 8260C

MC50190-2

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	99%
17060-07-0	1,2-Dichloroethane D4	97%
2037-26-5	Toluene D8	97%
460-00-4	4-Bromofluorobenzene	112%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC; Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY7434-BS	Y171807.D	1	04/25/17	PS	n/a	n/a	VY7434
VY7434-BSD	Y171808.D	1	04/25/17	PS	n/a	n/a	VY7434

The QC reported here applies to the following samples:

Method: SW846 8260C

MC50190-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	200	215	108	184	92	16	30-150/30
71-43-2	Benzene	50	44.9	90	43.2	86	4	77-122/30
108-86-1	Bromobenzene	50	51.0	102	48.8	98	4	80-122/30
74-97-5	Bromochloromethane	50	46.7	93	44.6	89	5	81-126/30
75-27-4	Bromodichloromethane	50	45.2	90	44.3	89	2	82-130/30
75-25-2	Bromoform	50	50.8	102	48.8	98	4	78-134/30
74-83-9	Bromomethane	50	42.4	85	39.1	78	8	56-141/30
78-93-3	2-Butanone (MEK)	200	238	119	218	109	9	61-139/30
104-51-8	n-Butylbenzene	50	46.0	92	43.8	88	5	69-127/30
135-98-8	sec-Butylbenzene	50	46.1	92	43.7	87	5	70-125/30
98-06-6	tert-Butylbenzene	50	46.8	94	45.0	90	4	70-126/30
75-15-0	Carbon disulfide	50	48.7	97	44.9	90	8	68-131/30
56-23-5	Carbon tetrachloride	50	44.3	89	40.9	82	8	73-139/30
108-90-7	Chlorobenzene	50	47.4	95	46.2	92	3	79-120/30
75-00-3	Chloroethane	50	45.2	90	42.2	84	7	64-150/30
67-66-3	Chloroform	50	43.2	86	41.4	83	4	77-123/30
74-87-3	Chloromethane	50	44.1	88	39.4	79	11	50-140/30
95-49-8	o-Chlorotoluene	50	49.9	100	47.8	96	4	74-123/30
106-43-4	p-Chlorotoluene	50	48.0	96	46.6	93	3	73-121/30
108-20-3	Di-Isopropyl ether	50	48.1	96	46.5	93	3	71-130/30
96-12-8	1,2-Dibromo-3-chloropropane	50	46.5	93	44.8	90	4	70-128/30
124-48-1	Dibromochloromethane	50	47.4	95	45.3	91	5	82-129/30
106-93-4	1,2-Dibromoethane	50	48.6	97	46.8	94	4	83-125/30
95-50-1	1,2-Dichlorobenzene	50	48.1	96	46.4	93	4	79-118/30
541-73-1	1,3-Dichlorobenzene	50	48.3	97	46.9	94	3	76-119/30
106-46-7	1,4-Dichlorobenzene	50	47.7	95	46.5	93	3	75-118/30
75-71-8	Dichlorodifluoromethane	50	42.1	84	37.9	76	11	31-170/30
75-34-3	1,1-Dichloroethane	50	46.9	94	44.3	89	6	78-129/30
107-06-2	1,2-Dichloroethane	50	44.2	88	43.1	86	3	77-140/30
75-35-4	1,1-Dichloroethene	50	45.6	91	42.3	85	8	71-128/30
156-59-2	cis-1,2-Dichloroethene	50	43.8	88	42.7	85	3	73-123/30
156-60-5	trans-1,2-Dichloroethene	50	47.2	94	44.4	89	6	72-122/30
78-87-5	1,2-Dichloropropane	50	47.9	96	47.4	95	1	80-129/30
142-28-9	1,3-Dichloropropane	50	48.7	97	47.1	94	3	81-124/30
594-20-7	2,2-Dichloropropane	50	45.9	92	43.1	86	6	62-134/30
563-58-6	1,1-Dichloropropene	50	44.7	89	43.0	86	4	72-125/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Page 2 of 3

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY7434-BS	Y171807.D	1	04/25/17	PS	n/a	n/a	VY7434
VY7434-BSD	Y171808.D	1	04/25/17	PS	n/a	n/a	VY7434

The QC reported here applies to the following samples:

Method: SW846 8260C

MC50190-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
10061-01-5	cis-1,3-Dichloropropene	50	49.4	99	48.5	97	2	75-124/30
10061-02-6	trans-1,3-Dichloropropene	50	46.6	93	45.6	91	2	75-129/30
123-91-1	1,4-Dioxane	1250	1150	92	1190	95	3	72-134/30
60-29-7	Ethyl Ether	50	49.5	99	47.6	95	4	77-132/30
100-41-4	Ethylbenzene	50	45.4	91	43.9	88	3	75-121/30
87-68-3	Hexachlorobutadiene	50	47.4	95	45.2	90	5	64-134/30
591-78-6	2-Hexanone	200	242	121	221	111	9	63-140/30
98-82-8	Isopropylbenzene	50	44.5	89	42.4	85	5	70-126/30
99-87-6	p-Isopropyltoluene	50	46.5	93	44.3	89	5	70-127/30
1634-04-4	Methyl Tert Butyl Ether	50	48.1	96	45.4	91	6	77-121/30
108-10-1	4-Methyl-2-pentanone(MIBK)	200	238	119	221	111	7	73-141/30
74-95-3	Methylene bromide	50	48.1	96	45.7	91	5	83-129/30
75-09-2	Methylene chloride	50	47.7	95	45.1	90	6	71-124/30
91-20-3	Naphthalene	50	48.5	97	46.1	92	5	74-126/30
103-65-1	n-Propylbenzene	50	47.8	96	45.7	91	4	71-132/30
100-42-5	Styrene	50	46.6	93	45.7	91	2	79-125/30
994-05-8	tert-Amyl Methyl Ether	50	47.5	95	45.2	90	5	76-124/30
637-92-3	tert-Butyl Ethyl Ether	50	49.0	98	47.4	95	3	74-128/30
630-20-6	1,1,1,2-Tetrachloroethane	50	43.4	87	42.3	85	3	81-124/30
79-34-5	1,1,2,2-Tetrachloroethane	50	52.5	105	49.6	99	6	72-121/30
127-18-4	Tetrachloroethene	50	45.1	90	43.7	87	3	70-135/30
109-99-9	Tetrahydrofuran	50	62.8	126	57.9	116	8	63-137/30
108-88-3	Toluene	50	44.8	90	43.4	87	3	75-123/30
87-61-6	1,2,3-Trichlorobenzene	50	49.9	100	47.9	96	4	76-128/30
120-82-1	1,2,4-Trichlorobenzene	50	48.8	98	47.2	94	3	74-129/30
71-55-6	1,1,1-Trichloroethane	50	44.0	88	41.1	82	7	75-134/30
79-00-5	1,1,2-Trichloroethane	50	48.5	97	46.9	94	3	78-130/30
79-01-6	Trichloroethene	50	47.1	94	45.4	91	4	79-127/30
75-69-4	Trichlorofluoromethane	50	47.6	95	44.2	88	7	64-141/30
96-18-4	1,2,3-Trichloropropane	50	52.3	105	49.5	99	6	77-124/30
95-63-6	1,2,4-Trimethylbenzene	50	46.6	93	45.0	90	3	75-126/30
108-67-8	1,3,5-Trimethylbenzene	50	47.0	94	45.0	90	4	72-124/30
75-01-4	Vinyl chloride	50	45.3	91	41.2	82	9	57-136/30
95-47-6	m,p-Xylene	100	95.4	95	91.3	91	4	75-122/30
1330-20-7	o-Xylene	50	43.8	88	42.4	85	3	76-121/30
	Xylene (total)	150	139	93	134	89	4	76-121/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

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Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY7434-BS	Y171807.D	1	04/25/17	PS	n/a	n/a	VY7434
VY7434-BSD	Y171808.D	1	04/25/17	PS	n/a	n/a	VY7434

The QC reported here applies to the following samples:

Method: SW846 8260C

MC50190-2

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	98%	97%	70-122%
17060-07-0	1,2-Dichloroethane-D4	94%	93%	68-124%
2037-26-5	Toluene-D8	98%	98%	77-125%
460-00-4	4-Bromofluorobenzene	107%	108%	72-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

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Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV7075-BS	V168139.D	1	04/25/17	SY	n/a	n/a	VV7075
VV7075-BS	V168140.D	1	04/25/17	SY	n/a	n/a	VV7075

The QC reported here applies to the following samples:

MC50190-1

Method: SW846 8260C

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	200	264	132	223	112	17	30-150/30
71-43-2	Benzene	50	52.7	105	49.9	100	5	77-122/30
108-86-1	Bromobenzene	50	54.6	109	51.4	103	6	80-122/30
74-97-5	Bromochloromethane	50	55.0	110	53.2	106	3	81-126/30
75-27-4	Bromodichloromethane	50	50.1	100	48.8	98	3	82-130/30
75-25-2	Bromoform	50	56.3	113	56.3	113	0	78-134/30
74-83-9	Bromobenzene	50	54.1	108	49.8	100	8	56-141/30
78-93-3	2-Butanone (MEK)	200	255	128	238	119	7	61-139/30
104-51-8	n-Butylbenzene	50	52.5	105	47.5	95	10	69-127/30
135-98-8	sec-Butylbenzene	50	54.6	109	50.7	101	7	70-125/30
98-06-6	tert-Butylbenzene	50	54.4	109	50.3	101	8	70-126/30
75-15-0	Carbon disulfide	50	49.3	99	45.7	91	8	68-131/30
56-23-5	Carbon tetrachloride	50	50.7	101	45.5	91	11	73-139/30
108-90-7	Chlorobenzene	50	54.9	110	51.3	103	7	79-120/30
75-00-3	Chloroethane	50	57.4	115	51.7	103	10	64-150/30
67-66-3	Chloroform	50	48.5	97	44.6	89	8	77-123/30
74-87-3	Chloromethane	50	54.1	108	51.0	102	6	50-140/30
95-49-8	o-Chlorotoluene	50	56.6	113	53.3	107	6	74-123/30
106-43-4	p-Chlorotoluene	50	54.7	109	51.4	103	6	73-121/30
108-20-3	Di-Isopropyl ether	50	48.1	96	45.4	91	6	71-130/30
96-12-8	1,2-Dibromo-3-chloropropane	50	59.5	119	60.9	122	2	70-128/30
124-48-1	Dibromochloromethane	50	53.5	107	52.0	104	3	82-129/30
106-93-4	1,2-Dibromoethane	50	53.4	107	52.2	104	2	83-125/30
95-50-1	1,2-Dichlorobenzene	50	54.5	109	52.4	105	4	79-118/30
541-73-1	1,3-Dichlorobenzene	50	54.6	109	51.2	102	6	76-119/30
106-46-7	1,4-Dichlorobenzene	50	53.1	106	49.8	100	6	75-118/30
75-71-8	Dichlorodifluoromethane	50	50.8	102	45.0	90	12	31-170/30
75-34-3	1,1-Dichloroethane	50	53.1	106	47.9	96	10	78-129/30
107-06-2	1,2-Dichloroethane	50	49.2	98	48.3	97	2	77-140/30
75-35-4	1,1-Dichloroethene	50	54.9	110	45.9	92	18	71-128/30
156-59-2	cis-1,2-Dichloroethene	50	51.8	104	48.8	98	6	73-123/30
156-60-5	trans-1,2-Dichloroethene	50	52.3	105	47.2	94	10	72-122/30
78-87-5	1,2-Dichloropropane	50	51.7	103	49.7	99	4	80-129/30
142-28-9	1,3-Dichloropropane	50	53.5	107	51.1	102	5	81-124/30
594-20-7	2,2-Dichloropropane	50	52.1	104	47.2	94	10	62-134/30
563-58-6	1,1-Dichloropropene	50	53.8	108	48.1	96	11	72-125/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

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Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV7075-BS	V168139.D	1	04/25/17	SY	n/a	n/a	VV7075
VV7075-BS	V168140.D	1	04/25/17	SY	n/a	n/a	VV7075

The QC reported here applies to the following samples:

MC50190-1

Method: SW846 8260C

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
10061-01-5	cis-1,3-Dichloropropene	50	55.6	111	53.3	107	4	75-124/30
10061-02-6	trans-1,3-Dichloropropene	50	53.7	107	51.7	103	4	75-129/30
123-91-1	1,4-Dioxane	1250	1300	104	1270	102	2	72-134/30
60-29-7	Ethyl Ether	50	56.5	113	55.1	110	3	77-132/30
100-41-4	Ethylbenzene	50	55.4	111	50.8	102	9	75-121/30
87-68-3	Hexachlorobutadiene	50	60.2	120	57.1	114	5	64-134/30
591-78-6	2-Hexanone	200	233	117	228	114	2	63-140/30
98-82-8	Isopropylbenzene	50	54.6	109	51.0	102	7	70-126/30
99-87-6	p-Isopropyltoluene	50	56.7	113	51.8	104	9	70-127/30
1634-04-4	Methyl Tert Butyl Ether	50	51.8	104	51.9	104	0	77-121/30
108-10-1	4-Methyl-2-pentanone(MIBK)	200	229	115	233	117	2	73-141/30
74-95-3	Methylene bromide	50	54.8	110	53.3	107	3	83-129/30
75-09-2	Methylene chloride	50	49.2	98	47.0	94	5	71-124/30
91-20-3	Naphthalene	50	59.0	118	59.4	119	1	74-126/30
103-65-1	n-Propylbenzene	50	56.2	112	51.1	102	10	71-132/30
100-42-5	Styrene	50	59.1	118	55.2	110	7	79-125/30
994-05-8	tert-Amyl Methyl Ether	50	53.0	106	52.6	105	1	76-124/30
637-92-3	tert-Butyl Ethyl Ether	50	50.2	100	48.6	97	3	74-128/30
630-20-6	1,1,1,2-Tetrachloroethane	50	53.9	108	51.7	103	4	81-124/30
79-34-5	1,1,2,2-Tetrachloroethane	50	56.8	114	55.7	111	2	72-121/30
127-18-4	Tetrachloroethene	50	54.5	109	48.9	98	11	70-135/30
109-99-9	Tetrahydrofuran	50	48.0	96	47.0	94	2	63-137/30
108-88-3	Toluene	50	53.7	107	50.0	100	7	75-123/30
87-61-6	1,2,3-Trichlorobenzene	50	59.1	118	58.5	117	1	76-128/30
120-82-1	1,2,4-Trichlorobenzene	50	61.4	123	58.8	118	4	74-129/30
71-55-6	1,1,1-Trichloroethane	50	50.7	101	44.8	90	12	75-134/30
79-00-5	1,1,2-Trichloroethane	50	54.4	109	52.3	105	4	78-130/30
79-01-6	Trichloroethene	50	54.4	109	51.1	102	6	79-127/30
75-69-4	Trichlorofluoromethane	50	53.0	106	47.6	95	11	64-141/30
96-18-4	1,2,3-Trichloropropane	50	56.3	113	53.8	108	5	77-124/30
95-63-6	1,2,4-Trimethylbenzene	50	55.0	110	50.9	102	8	75-126/30
108-67-8	1,3,5-Trimethylbenzene	50	55.0	110	50.5	101	9	72-124/30
75-01-4	Vinyl chloride	50	55.5	111	51.0	102	8	57-136/30
95-47-6	m,p-Xylene	100	118	118	109	109	8	75-122/30
95-47-6	o-Xylene	50	56.4	113	53.6	107	5	76-121/30
1330-20-7	Xylene (total)	150	174	116	163	109	7	76-121/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC; Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV7075-BS	V168139.D	1	04/25/17	SY	n/a	n/a	VV7075
VV7075-BSD	V168140.D	1	04/25/17	SY	n/a	n/a	VV7075

The QC reported here applies to the following samples:

MC50190-1

Method: SW846 8260C

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	98%	97%	70-122%
17060-07-0	1,2-Dichloroethane-D4	89%	87%	68-124%
2037-26-5	Toluene-D8	98%	99%	77-125%
460-00-4	4-Bromofluorobenzene	96%	97%	72-130%

9.2.2



Volatile Internal Standard Area Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC; Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Check Std:	VV7075-CC7044	Injection Date:	04/25/17
Lab File ID:	V168137.D	Injection Time:	08:12
Instrument ID:	GCM5V	Method:	SW846 8260C

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Check Std	154019	7.75	306612	10.05	458342	11.02	453501	14.43	278933	17.07
Upper Limit ^a	308038	8.25	613224	10.55	916684	11.52	907002	14.93	557866	17.57
Lower Limit ^b	77010	7.25	153306	9.55	229171	10.52	226751	13.93	139467	16.57
Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
VV7075-MB	165305	7.75	284792	10.05	432889	11.02	428156	14.43	263683	17.07
VV7074 MB2	165305	7.75	284792	10.05	432889	11.02	428156	14.43	263683	17.07
ZZZZZZ	165305	7.75	284792	10.05	432889	11.02	428156	14.43	263683	17.07
VV7074-BS2	167152	7.76	321235	10.05	473366	11.02	455093	14.43	278243	17.07
VV7075-BS	167152	7.76	321235	10.05	473366	11.02	455093	14.43	278243	17.07
VV7075-BSD	178595	7.76	341026	10.05	487758	11.02	470018	14.43	288821	17.07
JC41058-2MS	145408	7.76	376034	10.05	544139	11.02	515682	14.43	311565	17.07
JC41058-3DUP	152732	7.75	342375	10.05	514478	11.02	490166	14.43	310005	17.07
ZZZZZZ	159315	7.75	344357	10.05	507920	11.02	488029	14.43	294958	17.07
ZZZZZZ	174821	7.75	353517	10.05	524114	11.02	503107	14.43	299937	17.07
MC50199-22	160829	7.75	341949	10.05	510872	11.02	479130	14.43	297249	17.07
MC50199-23	154942	7.75	341893	10.05	504955	11.02	486322	14.43	301273	17.07
ZZZZZZ	158976	7.76	343509	10.05	507961	11.02	486336	14.43	298831	17.07
MC50199-22DUP	158774	7.76	345929	10.05	511502	11.02	490971	14.43	292917	17.07
ZZZZZZ	158648	7.76	334371	10.05	488306	11.02	473880	14.43	283116	17.07
ZZZZZZ	152281	7.76	326786	10.05	487151	11.02	467771	14.43	287643	17.07
ZZZZZZ	133590	7.75	332153	10.05	495732	11.02	479811	14.43	294971	17.07
MC50190-1	162857	7.75	338787	10.05	500365	11.02	482138	14.43	295311	17.07
ZZZZZZ	157445	7.75	334826	10.05	502902	11.02	483458	14.43	302196	17.07
ZZZZZZ	152891	7.74	332633	10.05	494670	11.02	483207	14.43	303272	17.07
ZZZZZZ	148457	7.76	337236	10.05	499964	11.02	479762	14.43	287690	17.07
MC50199-23MS	138792	7.77	356560	10.05	532138	11.02	514766	14.43	305968	17.07

- IS 1 = Tert Butyl Alcohol-D9
- IS 2 = Pentafluorobenzene
- IS 3 = 1,4-Difluorobenzene
- IS 4 = Chlorobenzene-D5
- IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = +100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

* = Outside of Control Limits.

Volatile Internal Standard Area Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC; Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Check Std:	VY7434-CC7387	Injection Date:	04/25/17
Lab File ID:	Y171805.D	Injection Time:	08:22
Instrument ID:	GCM5Y	Method:	SW846 8260C

Check Std	IS 1		IS 2		IS 3		IS 4		IS 5	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Upper Limit ^a	137991	7.05	285620	9.27	463223	10.18	394845	13.35	198424	15.66
Lower Limit ^b	275982	7.55	571240	9.77	926446	10.68	789690	13.85	396848	16.16
	68996	6.55	142810	8.77	231612	9.68	197423	12.85	99212	15.16

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
VY7434-MB	137039	7.07	282815	9.27	454363	10.18	392622	13.35	184713	15.66
VY7434-BS	136113	7.06	290493	9.27	461501	10.18	392071	13.35	195730	15.66
VY7434-BSD	123159	7.06	300046	9.27	475359	10.18	404619	13.35	201634	15.66
MC50199-1	125739	7.06	310421	9.27	497983	10.18	418696	13.35	191602	15.66
MC50199-3	133205	7.06	310684	9.27	499128	10.18	417291	13.35	187713	15.66
MC50199-1DUP	139093	7.07	316032	9.27	508195	10.18	426410	13.35	190535	15.66
MC50199-3MS	117802	7.05	305996	9.27	498997	10.18	409505	13.35	191788	15.65
MC50190-2	133184	7.05	292182	9.27	474355	10.18	397945	13.35	170296	15.66
ZZZZZZ	135197	7.05	299867	9.27	478157	10.18	411846	13.35	192268	15.66
ZZZZZZ	143248	7.06	312945	9.27	500438	10.18	426822	13.35	193786	15.66
ZZZZZZ	136200	7.05	305111	9.27	496568	10.18	418008	13.35	192908	15.66
ZZZZZZ	149750	7.05	303909	9.27	489152	10.18	418941	13.35	194264	15.66
ZZZZZZ	128457	7.06	292330	9.27	474178	10.18	400517	13.35	181195	15.66
ZZZZZZ	140642	7.06	300341	9.27	486054	10.18	412912	13.35	189493	15.66
ZZZZZZ	142791	7.06	299656	9.27	478640	10.18	410767	13.35	190429	15.66
ZZZZZZ	142317	7.07	299030	9.27	474598	10.18	409976	13.35	191100	15.66

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time - 0.5 minutes.

Volatile Surrogate Recovery Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC; Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Method:	SW846 8260C	Matrix:	SO
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Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
MC50190-1	V168153A.D	104	93	97	94
MC50190-2	Y171818.D	101	96	99	119
VV7075-BS	V168139.D	98	89	98	96
VV7075-BSD	V168140.D	97	87	99	97
VV7075-MB	V168138.D	109	99	95	94
VY7434-BS	Y171807.D	98	94	98	107
VY7434-BSD	Y171808.D	97	93	98	108
VY7434-MB	Y171806.D	99	97	97	112

Surrogate Compounds Recovery Limits

S1 = Dibromofluoromethane 70-122%
S2 = 1,2-Dichloroethane-D4 68-124%
S3 = Toluene-D8 77-125%
S4 = 4-Bromofluorobenzene 72-130%

GC/MS Semi-volatiles

QC Data Summaries

(SGS Accutest New Jersey)

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2255 MB1	6P37003.D	1	04/27/17	CS	04/26/17	OP2255	E6P1706

The QC reported here applies to the following samples:

MC50190-1, MC50190-2

Method: SW846 8270D

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	670	ug/kg	
95-57-8	2-Chlorophenol	ND	67	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	170	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	170	ug/kg	
95-48-7	2-Methylphenol	ND	67	ug/kg	
	3&4-Methylphenol	ND	67	ug/kg	
88-75-5	2-Nitrophenol	ND	170	ug/kg	
100-02-7	4-Nitrophenol	ND	330	ug/kg	
87-86-5	Pentachlorophenol	ND	130	ug/kg	
108-95-2	Phenol	ND	67	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	ug/kg	
83-32-9	Acenaphthene	ND	33	ug/kg	
208-96-8	Acenaphthylene	ND	33	ug/kg	
98-86-2	Acetophenone	ND	170	ug/kg	
62-53-3	Aniline	ND	67	ug/kg	
120-12-7	Anthracene	ND	33	ug/kg	
56-55-3	Benzo(a)anthracene	ND	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	33	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	67	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	67	ug/kg	
91-58-7	2-Chloronaphthalene	ND	67	ug/kg	
106-47-8	4-Chloroaniline	ND	170	ug/kg	
218-01-9	Chrysene	ND	33	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	67	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	67	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	67	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	67	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	67	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	67	ug/kg	

Method Blank Summary

Job Number: MC50190
Account: ALINE SGS Accutest New England
Project: ENVTRAC: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2255-MB1	6P37003.D	1	04/27/17	CS	04/26/17	OP2255	E6P1706

The QC reported here applies to the following samples:

MC50190-1, MC50190-2

The QC reported here applies to the following samples:

MC50190-1, MC50190-2

CAS No.	Compound	Result	RL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	67	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	67	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	33	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	33	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	67	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	ug/kg	
132-64-9	Dibenzofuran	ND	67	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	67	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	67	ug/kg	
84-66-2	Diethyl phthalate	ND	67	ug/kg	
131-11-3	Dimethyl phthalate	ND	67	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	67	ug/kg	
206-44-0	Fluoranthene	ND	33	ug/kg	
86-73-7	Fluorene	ND	33	ug/kg	
118-74-1	Hexachlorobenzene	ND	67	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	330	ug/kg	
67-72-1	Hexachloroethane	ND	170	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	ug/kg	
78-59-1	Isophorone	ND	67	ug/kg	
91-57-6	2-Methylnaphthalene	ND	67	ug/kg	
91-20-3	Naphthalene	ND	33	ug/kg	
98-95-3	Nitrobenzene	ND	67	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	67	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	ug/kg	
85-01-8	Phenanthrene	ND	33	ug/kg	
129-00-0	Pyrene	ND	33	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	67	ug/kg	

CAS No.	Surrogate Recoveries	Limits
367-12-4	2-Fluorophenol	89%
4165-62-2	Phenol-d5	88%
118-79-6	2,4,6-Tribromophenol	102%

Method Blank Summary

Job Number: MC50190
Account: ALINE SGS Accutest New England
Project: ENVTRAC: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2255-MB1	6P37003.D	1	04/27/17	CS	04/26/17	OP2255	E6P1706

The QC reported here applies to the following samples:

MC50190-1, MC50190-2

CAS No.	Surrogate Recoveries	Limits			
4165-60-0	Nitrobenzene-d5	26-134%			
321 60 8	2 Fluorobiphenyl	39 124%			
1718-51-0	Terphenyl-d14	36-134%			
CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	alkane	13.90	640	ug/kg	J
	alkane	16.02	710	ug/kg	J
	Total TIC, Semi-Volatile		1350	ug/kg	J

Job Number: MC50190
Account: ALINE SGS Accutest New England
Project: ENVTRAC: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2255-MB1	3E92869.D	1	04/27/17	AN	04/26/17	OP2255	E3E4131

The QC reported here applies to the following samples:

Method: SW846 8270D

MC50190-1, MC50190-2

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	670	ug/kg	
95-57-8	2-Chlorophenol	ND	67	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	170	ug/kg	
534-52-1	4,6-Dinitro o cresol	ND	170	ug/kg	
95-48-7	2-Methylphenol	ND	67	ug/kg	
	3&4-Methylphenol	ND	67	ug/kg	
88-75-5	2-Nitrophenol	ND	170	ug/kg	
100-02-7	4-Nitrophenol	ND	330	ug/kg	
87-86-5	Pentachlorophenol	ND	130	ug/kg	
108-95-2	Phenol	ND	67	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	ug/kg	
83-32-9	Arenaphthene	ND	33	ug/kg	
208-96-8	Arenaphthylene	ND	33	ug/kg	
98-86-2	Acetophenone	ND	170	ug/kg	
62-53-3	Aniline	ND	67	ug/kg	
120-12-7	Anthracene	ND	33	ug/kg	
56-55-3	Benzo(a)anthracene	ND	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	33	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	67	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	67	ug/kg	
91-58-7	2-Chloronaphthalene	ND	67	ug/kg	
106-47-8	4-Chloroaniline	ND	170	ug/kg	
218-01-9	Chrysene	ND	33	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	67	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	67	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	67	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	67	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	67	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	67	ug/kg	

Method Blank Summary

Job Number: MC50190
Account: ALINE SGS Accutest New England
Project: ENVTRAC: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2255-MB1	3E92869.D	1	04/27/17	AN	04/26/17	OP2255	E3E4131

The QC reported here applies to the following samples:

Method: SW846 8270D

MC50190-1, MC50190-2

CAS No.	Compound	Result	RL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	67	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	67	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	33	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	33	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	67	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	ug/kg	
132-64-9	Dibenzofuran	ND	67	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	67	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	67	ug/kg	
84-66-2	Diethyl phthalate	ND	67	ug/kg	
131-11-3	Dimethyl phthalate	ND	67	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	67	ug/kg	
206-44-0	Fluoranthene	ND	33	ug/kg	
86-73-7	Fluorene	ND	33	ug/kg	
118-74-1	Hexachlorobenzene	ND	67	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	330	ug/kg	
67-72-1	Hexachloroethane	ND	170	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	ug/kg	
78-59-1	Isophorone	ND	67	ug/kg	
91-57-6	2-Methylnaphthalene	ND	67	ug/kg	
91-20-3	Naphthalene	ND	33	ug/kg	
98-95-3	Nitrobenzene	ND	67	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	67	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	ug/kg	
85-01-8	Phenanthrene	ND	33	ug/kg	
129-00-0	Pyrene	ND	33	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	67	ug/kg	

CAS No.	Surrogate Recoveries	Limits
367-12-4	2-Fluorophenol	86%
4165-62-2	Phenol d5	87%
118-79-6	2,4,6-Tribromophenol	95%

Method Blank Summary

Job Number: MC50190
Account: ALINE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2255-MB1	3E92869.D	1	04/27/17	AN	04/26/17	OP2255	E3E4131

The QC reported here applies to the following samples:

Method: SW846 8270D

MC50190-1, MC50190-2

CAS No.	Surrogate Recoveries	Limits	R.T.	Est. Conc.	Units
4165-60-0	Nitrobenzene-d5	83%			
321-60-8	2-Fluorobiphenyl	96%			
1718-51-0	Terphenyl-d14	98%			
CAS No.	Tentatively Identified Compounds				
	system artifact				
	Total TIC, Semi-Volatile				

10.1.2 10

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC50190
Account: ALINE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2255-BS1	3E92870.D	1	04/27/17	AN	04/26/17	OP2255	E3E4131
OP2255-BSD	3E92871.D	1	04/27/17	AN	04/26/17	OP2255	E3E4131

The QC reported here applies to the following samples:

Method: SW846 8270D

MC50190-1, MC50190-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic acid	1670	1460	88	1470	88	1	37-139/30
95-57-8	2-Chlorophenol	1670	1290	77	1290	77	0	44-122/30
59-50-7	4-Chloro-3-methyl phenol	1670	1310	79	1320	79	1	50-123/30
120-83-2	2,4-Dichlorophenol	1670	1350	81	1370	82	1	48-122/30
105-67-9	2,4-Dimethylphenol	1670	1240	74	1280	77	3	48-124/30
51-28-5	2,4-Dinitrophenol	3330	2980	89	3020	91	1	34-146/30
534-52-1	4,6-Dinitro-o-cresol	1670	1450	87	1440	86	1	49-140/30
95-48-7	2-Methylphenol	1670	1330	80	1360	82	2	40-126/30
	3&4 Methylphenol	1670	1370	82	1400	84	2	40-127/30
88-75-5	2-Nitrophenol	1670	1330	80	1330	80	0	44-133/30
100-02-7	4-Nitrophenol	1670	1620	97	1600	96	1	35-153/30
87-86-5	Pentachlorophenol	1670	1690	101	1650	99	2	15-149/30
108-95-2	Phenol	1670	1320	79	1350	81	2	50-109/30
95-95-4	2,4,5-Trichlorophenol	1670	1550	93	1520	91	2	45-124/30
88-06-2	2,4,6-Trichlorophenol	1670	1580	95	1570	94	1	57-122/30
83-32-9	Acenaphthene	1670	1450	87	1420	85	2	53-119/30
208-96-8	Acenaphthylene	1670	1490	89	1450	87	3	41-125/30
98-86-2	Acetophenone	1670	1330	80	1350	81	1	52-112/30
62-53-3	Aniline	1670	865	52	934	56	8	10-132/30
120-12-7	Anthracene	1670	1550	93	1460	88	6	51-120/30
56-55-3	Benzo(a)anthracene	1670	1540	92	1450	87	6	54-118/30
50-32-8	Benzo(a)pyrene	1670	1600	96	1520	91	5	55-121/30
205-99-2	Benzo(b)fluoranthene	1670	1540	92	1450	87	6	57-116/30
191-24-2	Benzo(g,h,i)perylene	1670	1570	94	1500	90	5	40-124/30
207-08-9	Benzo(k)fluoranthene	1670	1640	98	1530	92	7	59-116/30
101-55-3	4-Bromophenyl phenyl ether	1670	1640	98	1560	94	5	60-122/30
85-68-7	Butyl benzyl phthalate	1670	1640	98	1560	94	5	51-134/30
91-58-7	2-Chloronaphthalene	1670	1570	94	1510	91	4	49-120/30
106-47-8	4-Chloroaniline	1670	760	46	761	46	0	10-115/30
218-01-9	Chrysene	1670	1510	91	1430	86	5	51-115/30
111-91-1	bis(2-Chloroethoxy)methane	1670	1330	80	1300	78	2	36-131/30
111-44-4	bis(2-Chloroethyl)ether	1670	1440	86	1420	85	1	41-131/30
108-60-1	bis(2-Chloroisopropyl)ether	1670	1410	85	1360	82	4	22-134/30
7005-72-3	4-Chlorophenyl phenyl ether	1670	1570	94	1510	91	4	56-118/30
95-50-1	1,2-Dichlorobenzene	1670	1460	88	1420	85	3	41-124/30
122-66-7	1,2-Diphenylhydrazine	1670	1550	93	1480	89	5	46-135/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC50190
Account: ALINE SGS Accutest New England
Project: ENVTRAC; Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2255-BS1	3E92870.D	1	04/27/17	AN	04/26/17	OP2255	E3E4131
OP2255 BSD	3E92871.D	1	04/27/17	AN	04/26/17	OP2255	E3E4131

The QC reported here applies to the following samples:

MC50190-1, MC50190-2

Method: SW846 8270D

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
541-73-1	1,3-Dichlorobenzene	1670	1430	86	1400	84	2	36-126/30
106-46-7	1,4-Dichlorobenzene	1670	1440	86	1400	84	3	40-124/30
121-14-2	2,4-Dinitrotoluene	1670	1650	99	1560	94	6	57-131/30
606-20-2	2,6-Dinitrotoluene	1670	1620	97	1580	95	3	57-132/30
91-94-1	3,3'-Dichlorobenzidine	3330	2460	74	2290	69	7	10-129/30
53-70-3	Dibenzo(a,h)anthracene	1670	1600	96	1520	91	5	48-121/30
132-64-9	Dibenzofuran	1670	1540	92	1530	92	1	51-119/30
84-74-2	Di-n-butyl phthalate	1670	1600	96	1510	91	6	59-125/30
117-84-0	Di-n-octyl phthalate	1670	1600	96	1520	91	5	47-147/30
84-66-2	Diethyl phthalate	1670	1550	93	1470	88	5	57-116/30
131-11-3	Dimethyl phthalate	1670	1550	93	1470	88	5	56-116/30
117-81-7	bis(2-Ethylhexyl)phthalate	1670	1630	98	1540	92	6	53-133/30
206-44-0	Fluoranthene	1670	1580	95	1470	88	7	58-117/30
86-73-7	Fluorene	1670	1520	91	1460	88	4	56-114/30
118-74-1	Hexachlorobenzene	1670	1650	99	1570	94	5	50-128/30
87-68-3	Hexachlorobutadiene	1670	1450	87	1400	84	4	43-129/30
77-47-4	Hexachlorocyclopentadiene	3330	3240	97	3220	97	1	15-140/30
67-72-1	Hexachloroethane	1670	1510	91	1450	87	4	43-123/30
193-39-5	Indeno(1,2,3-cd)pyrene	1670	1430	86	1360	82	5	49-124/30
78-59-1	Isophorone	1670	1290	77	1280	77	1	38-128/30
91-57-6	2-Methylnaphthalene	1670	1320	79	1320	79	0	37-124/30
91-20-3	Naphthalene	1670	1250	75	1220	73	2	44-116/30
98-95-3	Nitrobenzene	1670	1250	75	1220	73	2	36-132/30
62-75-9	n-Nitrosodimethylamine	1670	1170	70	1120	67	4	17-136/30
621-64-7	N-Nitroso-di-n-propylamine	1670	1350	81	1330	80	1	38-125/30
86-30-6	N-Nitrosodiphenylamine	1670	1640	98	1530	92	7	51-122/30
85-01-8	Phenanthrene	1670	1520	91	1440	86	5	53-119/30
129-00-0	Pyrene	1670	1580	95	1500	90	5	54-124/30
120-82-1	1,2,4-Trichlorobenzene	1670	1380	83	1330	80	4	42-122/30

CAS No. Surrogate Recoveries BSP BSD Limits

367-12-4	2-Fluorophenol	86%	87%	23-115%
4165-62-2	Phenol d5	86%	87%	27-114%
118-79-6	2,4,6-Tribromophenol	110%	107%	19-152%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC50190
Account: ALINE SGS Accutest New England
Project: ENVTRAC; Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2255-BS1	3E92870.D	1	04/27/17	AN	04/26/17	OP2255	E3E4131
OP2255-BSD	3E92871.D	1	04/27/17	AN	04/26/17	OP2255	E3E4131

The QC reported here applies to the following samples:

MC50190-1, MC50190-2

Method: SW846 8270D

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
4165-60-0	Nitrobenzene-d5	75%	76%	26-134%
321-60-8	2-Fluorobiphenyl	93%	94%	39-124%
1718-51-0	Terphenyl-d14	100%	97%	36-134%

Semivolatitle Internal Standard Area Summary

Job Number: MC50190
Account: ALINE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 351 Summer Street, Somerville, MA

Check Std:	E3E4131 CC4127	Injection Date: 04/27/17	
Lab File ID:	3E92864.D	Injection Time: 17:00	
Instrument ID:	GCMS3E	Method: SW846 8270D	

Check Std	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Upper Limit ^a	175580	4.95	643108	6.10	392278	8.22	633032	10.41	667135	14.61	614428	16.73
Lower Limit ^b	351160	5.45	1286216	6.60	784556	8.72	1266064	10.91	1334270	15.11	1228856	17.23
	87790	4.45	321554	5.60	196139	7.72	316516	9.91	333568	14.11	307214	16.23

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
OP2255-MB1	206965	4.95	790874	6.10	479940	8.22	774223	10.41	738302	14.61	717280	16.73
OP2255-BS1	184237	4.95	748973	6.10	392505	8.22	625300	10.41	637274	14.61	581558	16.73
OP2255-BSD	191327	4.95	781486	6.10	411793	8.22	663243	10.41	669046	14.61	609452	16.73
OP2255-BS13	185114	4.95	693797	6.10	421674	8.22	650200	10.41	642495	14.61	618970	16.73
OP2133-MB1	170084	4.95	652946	6.10	408600	8.22	676615	10.41	671723	14.61	664880	16.73
OP2133-BS14	151418	4.95	584016	6.10	362711	8.22	587900	10.41	577796	14.61	565870	16.73
OP2133-BS15	168081	4.95	638282	6.10	387972	8.22	633479	10.41	630491	14.61	623946	16.73
OP2133-MS	152636	4.95	636628	6.10	331659	8.22	536700	10.41	565437	14.61	525459	16.73
OP2133 MSD	168700	4.95	705073	6.10	364448	8.22	599940	10.41	623039	14.61	589645	16.73
JC41362-1	143825	4.95	544725	6.10	326405	8.22	552468	10.41	558825	14.61	553496	16.73
ZZZZZZ	156214	4.95	602537	6.10	379071	8.22	612769	10.41	535147	14.61	510863	16.74
ZZZZZZ	158364	4.95	606350	6.10	377366	8.22	616402	10.41	601077	14.61	591318	16.73
ZZZZZZ	223537	4.95	706052	6.10	289285	8.25	427920	10.45	380960	14.66	405749	16.81
ZZZZZZ	194454	4.96	723890	6.11	331611	8.24	497476	10.44	400888	14.65	420075	16.79
OP2255 MS	183138	4.96	753448	6.11	389899	8.24	567316	10.43	440669	14.64	413970	16.77
OP2255-MSD	170545	4.96	705134	6.11	367989	8.24	554396	10.43	462522	14.64	414469	16.78
MC50199-1	180083	4.96	683316	6.11	415631	8.23	622262	10.43	496298	14.63	418703	16.77
ZZZZZZ	191952	4.96	724117	6.11	442785	8.23	700650	10.43	606087	14.63	521675	16.77
MC50190-1	201222	4.96	730084	6.11	415612	8.24	584481	10.44	407475	14.66	363907	16.80
MC50190-2	174516	4.96	681526	6.11	402309	8.24	615070	10.44	465065	14.65	413201	16.79
ZZZZZZ	169271	4.96	650746	6.11	396037	8.24	638089	10.43	585378	14.64	475088	16.78
ZZZZZZ	164145	4.96	645743	6.11	402947	8.23	667332	10.43	626829	14.64	523913	16.77

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatitle Internal Standard Area Summary

Job Number: MC50190
Account: ALINE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Check Std:	E3E4132 CC4127	Injection Date: 04/28/17	
Lab File ID:	3E92893.D	Injection Time: 09:03	
Instrument ID:	GCMS3E	Method: SW846 8270D	

Check Std	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Upper Limit ^a	224033	4.96	842649	6.10	525486	8.23	848563	10.43	818122	14.63	680406	16.76
Lower Limit ^b	448066	5.46	1685298	6.60	1050972	8.73	1697126	10.93	1636244	15.13	1360812	17.26
	112017	4.46	421325	5.60	262743	7.73	424282	9.93	409061	14.13	340203	16.26

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
OP2168-MB1	224970	4.95	867336	6.10	550722	8.22	928154	10.42	924802	14.62	874667	16.76
OP2168-BS1	199157	4.95	820883	6.10	434387	8.22	705004	10.42	697039	14.62	614410	16.75
OP2168-BS13	196932	4.95	753603	6.10	469619	8.22	781489	10.42	779564	14.62	744127	16.75
OP2168-BS14	197729	4.95	762578	6.10	485269	8.22	813426	10.42	785435	14.62	752246	16.75
MC50190-1	218033	4.95	848991	6.10	546768	8.22	917865	10.42	843201	14.62	751686	16.76
MC50190-2	225038	4.95	870877	6.10	558958	8.22	922330	10.42	865884	14.62	756863	16.76
ZZZZZZ	216931	4.95	852491	6.10	542808	8.22	932935	10.42	919117	14.62	831391	16.76
JC41362-1	218307	4.95	852925	6.10	540329	8.22	925700	10.42	939659	14.62	889375	16.76
ZZZZZZ	223434	4.95	876529	6.10	559977	8.22	949004	10.42	977496	14.62	931525	16.75
ZZZZZZ	191822	4.95	741650	6.10	440177	8.22	731180	10.42	749113	14.62	716785	16.75
ZZZZZZ	188380	4.95	731059	6.10	462708	8.22	775270	10.42	786792	14.62	750763	16.75
ZZZZZZ	201325	4.95	779521	6.10	445038	8.22	771855	10.42	810250	14.62	778252	16.75
JC41448-1	213358	4.95	816671	6.10	522180	8.22	877833	10.42	880228	14.62	845739	16.75
OP2168-MS	200368	4.95	819782	6.10	427942	8.22	703950	10.42	709462	14.62	646242	16.75
OP2168-MSD	201998	4.95	831840	6.10	442897	8.22	723416	10.42	739147	14.62	689145	16.75
ZZZZZZ	209354	4.95	806981	6.10	511679	8.22	847642	10.42	843163	14.62	791878	16.75
ZZZZZZ	69949*	4.97	697091	6.13	528986	8.23	645432	10.43	691151	14.62	647948	16.75
ZZZZZZ	202034	4.95	786990	6.10	501756	8.22	838279	10.42	839163	14.62	799590	16.75
ZZZZZZ	192816	4.95	737848	6.10	467479	8.22	785203	10.42	796013	14.62	787375	16.74
ZZZZZZ	203723	4.95	779666	6.10	498397	8.22	811478	10.42	819058	14.62	782669	16.75
ZZZZZZ	212813	4.95	808940	6.10	512293	8.22	855493	10.42	882032	14.62	866454	16.75

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatiles Internal Standard Area Summary

Page 1 of 1

Job Number: MC50190
Account: ALINE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Check Std:	E61706 CC1686	Injection Date:	04/26/17
Lab File ID:	6P36994.D	Injection Time:	21:41
Instrument ID:	GCMS6P	Method:	SW846 8270D

Lab Sample ID	IS 1			IS 2			IS 3			IS 4			IS 5			IS 6		
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Check Std	220961	4.36	868061	5.36	484305	7.06	774345	8.74	693192	11.90	751498	13.49						
Upper Limit ^a	441922	4.86	1736122	5.86	968610	7.56	1548690	9.24	1386384	12.40	1502996	13.99						
Lower Limit ^b	110481	3.86	434031	4.86	242153	6.56	387173	8.24	346596	11.40	375749	12.99						
Lab Sample ID	IS 1	IS 2	IS 3	IS 4	IS 5	IS 6												
OP2045A-MB1	225258	4.36	884708	5.36	491944	7.06	777141	8.73	680723	11.89	712938	13.49						
OP2045A-BS1	197796	4.36	778878	5.36	421941	7.06	672246	8.73	578392	11.90	616259	13.48						
OP2045A-BS2	215325	4.36	852872	5.36	458809	7.06	714660	8.73	603167	11.90	642314	13.48						
OP2003A-MB1	239649	4.36	932852	5.36	511655	7.06	789272	8.73	683997	11.89	728056	13.48						
OP2003A-BS1	217222	4.36	861657	5.36	464591	7.06	735435	8.73	617867	11.90	665234	13.48						
OP2003A-BS2	222194	4.36	879476	5.36	487215	7.06	770215	8.73	660984	11.90	694697	13.48						
OP2255-MB1	203655	4.36	797439	5.35	433698	7.05	690114	8.73	605238	11.89	620742	13.48						
ZZZZZZ	172527	4.36	690555	5.35	382234	7.05	609117	8.73	535649	11.88	575639	13.48						
ZZZZZZ	183196	4.36	588210	5.37	360951	7.10	439617	8.78	574382	11.90	637599	13.48						
ZZZZZZ	266312	4.36	1016386	5.36	544832	7.08	796718	8.75	758800	11.89	822907	13.48						
ZZZZZZ	225792	4.36	869557	5.36	471957	7.05	739254	8.73	625106	11.88	643132	13.48						
ZZZZZZ	201836	4.36	793352	5.35	429541	7.05	684537	8.73	588252	11.88	595943	13.48						
ZZZZZZ	201823	4.36	791761	5.35	433491	7.05	697527	8.73	619420	11.88	672817	13.48						
ZZZZZZ	211666	4.36	815853	5.36	429029	7.06	650771	8.73	539289	11.90	589500	13.51						
ZZZZZZ	168281	4.36	658595	5.36	352410	7.07	536220	8.74	460738	11.92	512058	13.52						
ZZZZZZ	221355	4.36	856186	5.36	450096	7.07	685894	8.74	593392	11.91	634367	13.51						
ZZZZZZ	196305	4.36	766810	5.36	402757	7.07	622020	8.74	542530	11.91	578809	13.51						
ZZZZZZ	220778	4.36	840836	5.36	437722	7.07	651573	8.75	557030	11.92	615359	13.52						
ZZZZZZ	199838	4.36	778140	5.36	422823	7.07	647611	8.74	571107	11.91	620968	13.51						
ZZZZZZ	195893	4.36	764192	5.36	406082	7.07	634710	8.74	560379	11.91	610613	13.51						

IS 1 = 1,4-Dichlorobenzene-d4

IS 2 = Naphthalene-d8

IS 3 = Acenaphthene-D10

IS 4 = Phenanthrene-d10

IS 5 = Chrysene-d12

IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.

(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatiles Surrogate Recovery Summary

Page 1 of 1

Job Number: MC50190
Account: ALINE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Method:	SW846 8270D	Matrix:	SO
---------	-------------	---------	----

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
MC50190-1	3E92901.D	50	48	53	46	52	53
MC50190-1	3E92887.D	56	57	82	59	70	69
MC50190-2	3E92902.D	51	53	61	50	56	57
MC50190-2	3E92888.D	57	59	78	56	66	72
OP2255-BS1	3E92870.D	86	86	110	75	93	100
OP2255-BS13	3E92872.D	76	75	97	73	81	100
OP2255-BS2	3E92871.D	87	87	107	76	94	97
OP2255-MB1	6P37003.D	89	88	102	101	93	87
OP2255-MB1	3E92869.D	86	87	95	83	96	98

Surrogate Compounds

Recovery Limits

S1 = 2-Fluorophenol

S2 = Phenol-d5

S3 = 2,4,6-Tribromophenol

S4 = Nitrobenzene-d5

S5 = 2-Fluorobiphenyl

S6 = Terphenyl-d14

23-115%

27-114%

19-152%

26-134%

39-124%

36-134%

Method Blank Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC; Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2180-MB1	OA125674.D	1	04/25/17	VDT	04/23/17	OP2180	GOA4296

The QC reported here applies to the following samples:

MC50190-1, MC50190-2

Method: SW846 8151

QC Data Summaries

(SGS Accutest New Jersey)

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	Df	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2180-BS1	OA125675.D	1	04/25/17	VDT	04/23/17	OP2180	GOA4296
OP2180 BSD	OA125676.D	1	04/25/17	VDT	04/23/17	OP2180	GOA4296

The QC reported here applies to the following samples:

MC50190 1, MC50190 2

Method: SW846 8151

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
94-75-7	2,4-D	133	110	83	120	90	3	39-153/30
93-72-1	2,4,5-TP (Silvex)	26.7	24.7	93	25.6	96	4	49 139/30
93-76-5	2,4,5-T	26.7	22.1	83	23.7	89	7	37-135/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
19719-28-9	2,4 DCAA	98%	102%	10 159%
19719-28-9	2,4 DCAA	92%	94%	10 159%

* = Outside of Control Limits.

Semivolatle Surrogate Recovery Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Method:	SW846 8151	Matrix:	SO
---------	------------	---------	----

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a	S1 ^b
MC50190-1	OA125695.D	40	41
MC50190-2	OA125696.D	106	96
OP2180-BS1	OA125675.D	98	92
OP2180 BSD	OA125676.D	102	94
OP2180 MB1	OA125674.D	91	89
Surrogate Compounds		Recovery Limits	
S1 = 2,4-DCAA		10	159%

(a) Recovery from GC signal #2

(b) Recovery from GC signal #1



Section 12

Metals Analysis

QC Data Summaries

(SGS Accutest New Jersey)

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

Method: 11.1.1.1
Part 2 - Method Blanks

Login Number: MC50190
Account: ALNE - SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP165
Matrix Type: SOLID
Date: 04/01/11

Test Date: 04/01/11

Ref.	PI	HF	HF1	HF2	HF3
------	----	----	-----	-----	-----

Mercury 0.033 .0019 .0053 0.0021 <0.033

Associated samples MP165: MC50190-1, MC50190-2

Results < LLL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

QC Batch ID: MP165
Method Type: SLLI

Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Account: ALINE - SGS Accutest New England

Login Number: MC50190

Methods: SM846 7471B
Units: mg/kg

Ref Date: 04/27/17

Metal	BSP Result	Spikelot HGFWS1 % Rec	QC Limits
-------	------------	-----------------------	-----------

Mercury 0.35 0.333 105.1 80-120

Associated samples MP165: MC50190-1, MC50190-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

12.1.2

12

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

QC Batch ID: MP165
Method Type: SLLI

Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Account: ALINE - SGS Accutest New England

Login Number: MC50190

Methods: SM846 7471B
Units: mg/kg

Ref Date: 04/27/17

Metal	BSP Result	Spikelot HGFWS1 % Rec	QC Limits
-------	------------	-----------------------	-----------

Mercury 0.35 0.333 105.1 80-120

Associated samples MP165: MC50190-1, MC50190-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

QC Batch ID: MP218
Material Type: Solid
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Login Number: MC50190
Account: ALNE - SGS Accutest New England
Methods: SW846 6010C
Units: mg/kg
Date: 04/25/17

Metal	BSP Result	Spikelot MPSPK2	QC Limits	LCS Result	Spikelot MPIC540918	QC Limits
Aluminum	anr					
Antimony	anr					
Arsenic	200	211	95.0	131	145	79-121
Barium	207	211	98.3	195	209	83-117
Beryllium	anr					
Bismuth						
Cadmium	201	211	95.5	80.6	87.6	83-118
Calcium	anr					
Chromium	205	211	97.4	135	143	80-120
Cobalt	anr					
Copper	anr					
Iron	anr					
Lead	206	211	97.8	141	146	82-118
Manganese	anr					
Molybdenum	anr					
Nickel	anr					
Palladium						
Phosphorus						
Potassium	anr					
Selenium	198	211	94.0	155	178	79-121
Silicon						
Silver	24.8	26.3	94.2	24.9	31.3	75-125
Sodium	anr					
Strontium						
Sulfur						
Thallium	anr					
Tin						
Tungsten						
Vanadium	anr					

12.2.2 12

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

QC Batch ID: MP218
Material Type: Solid
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Login Number: MC50190
Account: ALNE - SGS Accutest New England
Methods: SW846 6010C
Units: mg/Vol
Date: 04/25/17

Metal	BSP Result	Spikelot MPSPK2	QC Limits	LCS Result	Spikelot MPIC540918	QC Limits
Zinc	anr					
Zirconium						

Associated samples MP218: MC50190-1, MC50190-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

12.2.2 12

SPRINKLE BLANK AND LAB CONTROL SAMPLE SUMMARY

Project: ENVTRAC: Maggiora Somerville, 343 - 351 Summer Street, Somerville, MA
QC Batch ID: MP218
Methods: SW846 6010C
Prep Date: 04/25/17

Element	Spiked	Spiked	QC
As	145	89.3	76.1
Cd	209	89.0	83-117
Cr	87.6	87.9	83-118
Pb	143	90.9	80-120
Fe	146	93.2	82-118
Mn			
Mo			
Ni			
Se			
Si			
Sr			
Te			
V			
W			
Zn			
Al			
Br			
B			
C			
Ca			
Co			
Cu			
F			
H			
I			
K			
Li			
Mg			
Na			
O			
P			
S			
Ti			
Tl			
U			
Y			
Zr			

SPRINKLE BLANK AND LAB CONTROL SAMPLE SUMMARY

Project: ENVTRAC: Maggiora Somerville, 343 - 351 Summer Street, Somerville, MA
QC Batch ID: MP218
Methods: SW846 6010C
Prep Date: 04/25/17

Element	Spiked	Spiked	QC
As	145	89.3	76.1
Cd	209	89.0	83-117
Cr	87.6	87.9	83-118
Pb	143	90.9	80-120
Fe	146	93.2	82-118
Mn			
Mo			
Ni			
Se			
Si			
Sr			
Te			
V			
W			
Zn			
Al			
Br			
B			
C			
Ca			
Co			
Cu			
F			
H			
I			
K			
Li			
Mg			
Na			
O			
P			
S			
Ti			
Tl			
U			
Y			
Zr			

Login Number: MC50190
 Account: ALNE - SGS Accutest New England
 Project: ENVTRAC: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP218
Matrix Type: SOLID
Methods: SW846 6010C
Units: ug/l

Prep Date: 04/25/17

Login Number: MC50190
Account: ALNE - SGS Accutest New England
Project: ENVTRAC: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP218
Matrix Type: SOLID
Methods: SW846 6010C
Units: ug/l

Prep Date: 04/25/17

Metal	JC41832-1 Original SDL 1:5	QC Limits

Zinc anr

Zirconium

Associated samples MP218: MC50190-1, MC50190-2

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

Section 13

General Chemistry

QC Data Summaries

(SGS Accutest New Jersey)

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

Method: 8000-000-0000-0000-0000
GENERAL CHEMISTRY

Login Number: MC50190
Account: ALINE - SGS Accutest New England
Project: ENTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Analysis	Batch ID	EC	File	Unit	Value	Unit	Value
Cyanide Reactivity	GF4822/GN63030	10	0.0	mg/kg	7.55	7.6	
Sulfide Reactivity	GF4821/GN63007	100	0.0	mg/kg	585	73.4	

Reference: 8000-000-0000-0000-0000
Batch GF4821: MC50190-1, MC50190-2
Batch GF4822: MC50190-1, MC50190-2
(*) Outside of QC limits

Technical Report for

EnviroTrac, Ltd.

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

03.990202.00

SGS Accutest Job Number: MC49976R

Sampling Date: 03/28/17

Report to:

EnviroTrac
2 Merchant Street Suite 2
Sharon, MA 02067
craigb@envirotrac.com; jenniferb@envirotrac.com
ATTN: Craig Blake

Total number of pages in report: 62



Test results contained within this data package meet the requirements
of the National Environmental Laboratory Accreditation Program
and/or state specific certification programs as applicable.

Client Service contact: Robert Soll 508-481-6200

Certifications: MA (M-MA136, SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) FL (E87579)
NJ (MA926) PA (6801121) LA (A1171119) ND (R-188) NC (653) IL (002337) WI (399080220)
DoI ELAP (L-A-B L2235)

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Test results relate only to samples analyzed.

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SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: EnviroTrac, Ltd. **Job No** MC49976R **Report Date** 4/21/2017 9:47:44 AM

Site: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA 15 Sample(s) were collected on 03/28/2017 and were received at SGS Accutest New England on 03/29/2017 properly preserved, at 1.1 Deg. C and intact. These Samples received a job number of MC49976R. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages

Metals By Method SW846 6010C

Matrix: LEACHATE	Batch ID: N:MP34
■ Analysis performed at SGS Accutest, Dayton, NJ	

SGS Accutest New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Laboratory Director for SGS Accutest New England or assignee as verified by the signature on the cover page has authorized the release of this report(MC49976R)

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: SGS Accutest New England **Job No** MC49976R

Site: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somer **Report Date** 4/20/2017 10:27:19 A

On 03/30/2017, 15 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS Accutest at a maximum corrected temperature of 3.4 C. Samples were intact and chemically preserved, unless noted below. A SGS Accutest Job Number of MC49976R was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages

Metals By Method SW846 6010C

Matrix: LEACHATE	Batch ID: MP34
■ All samples were digested within the recommended method holding time	
■ All method blanks for this batch meet method specific criteria	
■ Sample(s) MC49976-17RSDL were used as the QC samples for metals	

SGS Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria

SGS Accutest is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS Accutest indicated via signature on the report cover

Summary of Hits

Job Number: MC49976R
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC49976-17R	PC-5 0-5'					
No hits reported in this sample.						
MC49976-25R	PC-7 0-5'					
No hits reported in this sample.						
MC49976-29R	PC-8 0-5'					
No hits reported in this sample.						
MC49976-45R	PC-12 0-5'					
No hits reported in this sample.						
MC49976-46R	PC-12 5-10'					
Lead ^a		0.84	0.50		mg/l	SW846 6010C
MC49976-48R	PC-12 0-15' COMP					
No hits reported in this sample.						
MC49976-49R	PC-13 0-5'					
No hits reported in this sample.						
MC49976-57R	PC-15 0-5'					
No hits reported in this sample.						
MC49976-61R	PC-16A 0-5'					
No hits reported in this sample.						
MC49976-62R	PC-16B 0-5'					
Lead ^a		1.1	0.50		mg/l	SW846 6010C
MC49976-64R	PC-16 0-5' COMP					
Lead ^a		0.51	0.50		mg/l	SW846 6010C

Summary of Hits

Job Number: MC49976R
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC49976-70R	PC-18B 0-5'					
No hits reported in this sample.						
MC49976-74R	PC-19B 0-5'					
No hits reported in this sample.						
MC49976-75R	PC-19C 0-5'					
Lead ^a		0.72	0.50		mg/l	SW846 6010C
MC49976-76R	PC-19 0-5' COMP					
No hits reported in this sample.						
(a) Analysis performed at SGS Accutest, Dayton, NJ.						



ACCUTEST
New England

Section 4

4

Sample Results

Report of Analysis

SGS Accutest

Report of Analysis

Page 1 of 1

Client Sample ID: PC-5 0-5'
Lab Sample ID: MC49976-17R
Matrix: SO - Soil
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Date Sampled: 03/28/17
Date Received: 03/29/17
Percent Solids: 88.0

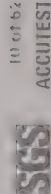
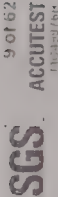
Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	<0.50	D008	5.0	0.50	mg/l	5	04/18/17	04/19/17	ANJ	SW846 6010C 1 SW846 3010A 2

- (1) Instrument QC Batch: N:MA41829
(2) Prep QC Batch: N:MP34

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)



Report of Analysis

4.2

4

Client Sample ID: PC-7 0-5'

Lab Sample ID: MC49976 25R

Matrix: SO - Soil

Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 83.4

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	<0.50	D008	5.0	0.50	mg/l	5	04/18/17	04/19/17	ANJ	SW846 6010C ¹ SW846 3010A ²

- (1) Instrument QC Batch: N:MA41829
(2) Prep QC Batch: N:MP34

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

4.3

4

Client Sample ID: PC-8 0-5'

Lab Sample ID: MC49976 29R

Matrix: SO - Soil

Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 76.4

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	<0.50	D008	5.0	0.50	mg/l	5	04/18/17	04/19/17	ANJ	SW846 6010C ¹ SW846 3010A ²

- (1) Instrument QC Batch: N:MA41829
(2) Prep QC Batch: N:MP34

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

4.4

4

Client Sample ID: PC-12 0-5'

Lab Sample ID: MC49976.45R

Matrix: SO - Soil

Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 88.4

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	<0.50	D008	5.0	0.50	mg/l	5	04/18/17	04/19/17	ANJ	SW846 6010C ¹ SW846 3010A ²

- (1) Instrument QC Batch: N:MA41829
(2) Prep QC Batch: N:MP34

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

4.5

4

Client Sample ID: PC-12 5-10'

Lab Sample ID: MC49976.46R

Matrix: SO - Soil

Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 82.4

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	0.84	D008	5.0	0.50	mg/l	5	04/18/17	04/19/17	ANJ	SW846 6010C ¹ SW846 3010A ²

- (1) Instrument QC Batch: N:MA41829
(2) Prep QC Batch: N:MP34

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

4.6

4

Client Sample ID: PC-12 0-15' COMP

Lab Sample ID: MC49976-48R

Matrix: SO - Soil

Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 83.8

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	<0.50	D008	5.0	0.50	mg/l	5	04/18/17	04/19/17	ANJ	SW846 6010C ¹ SW846 3010A ²

(1) Instrument QC Batch: N:MA41829
(2) Prep QC Batch: N:MP34

(a) Analysis performed at SGS Accutest, Dayton, NJ.

Report of Analysis

4.7

4

Client Sample ID: PC-13 0-5'

Lab Sample ID: MC49976-49R

Matrix: SO - Soil

Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 82.5

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	<0.50	D008	5.0	0.50	mg/l	5	04/18/17	04/19/17	ANJ	SW846 6010C ¹ SW846 3010A ²

(1) Instrument QC Batch: N:MA41829
(2) Prep QC Batch: N:MP34

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

4.8 4

Client Sample ID: PC 15 0 5'

Lab Sample ID: MC49976-57R

Matrix: SO - Soil

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 84.0

Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

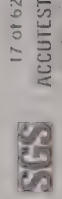
Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	<0.50	D008	5.0	0.50	mg/l	5	04/18/17	04/19/17	ANJ	SW846 6010C ¹ SW846 3010A ²

- (1) Instrument QC Batch: N:MA41829
(2) Prep QC Batch: N:MP34

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)



Report of Analysis

4.9 4

Client Sample ID: PC 16A 0 5'

Lab Sample ID: MC49976-61R

Matrix: SO - Soil

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 81.6

Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

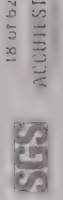
Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	<0.50	D008	5.0	0.50	mg/l	5	04/18/17	04/19/17	ANJ	SW846 6010C ¹ SW846 3010A ²

- (1) Instrument QC Batch: N:MA41829
(2) Prep QC Batch: N:MP34

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)



Report of Analysis

Client Sample ID: PC-16B 0.5'

Lab Sample ID: MC49976-62R

Matrix: SO - Soil

Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 82.8

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	1.1	D008	5.0	0.50	mg/l	5	04/18/17	04/19/17	ANJ	SW846 6010C ¹ SW846 3010A ²

(1) Instrument QC Batch: N:MA41829
(2) Prep QC Batch: N:MP34

(a) Analysis performed at SGS Accutest, Dayton, NJ.

4.10



Report of Analysis

Client Sample ID: PC-16 0.5' COMP

Lab Sample ID: MC49976 64R

Matrix: SO - Soil

Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 81.5

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	0.51	D008	5.0	0.50	mg/l	5	04/18/17	04/19/17	ANJ	SW846 6010C ¹ SW846 3010A ²

(1) Instrument QC Batch: N:MA41829
(2) Prep QC Batch: N:MP34

(a) Analysis performed at SGS Accutest, Dayton, NJ.

4.11



RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

4.12 4

Client Sample ID: PC-18B 0.5'

Lab Sample ID: MC49976 70R

Matrix: SO - Soil

Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 85.7

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	IIW#	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	<0.50	D008	5.0	0.50	mg/l	5	04/18/17	04/19/17	ANJ	SW846 6010C ¹ SW846 3010A ²

- (1) Instrument QC Batch: N:MA41829
(2) Prep QC Batch: N:MP34

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

4.13 4

Client Sample ID: PC 19B 0.5'

Lab Sample ID: MC49976-74R

Matrix: SO - Soil

Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 81.7

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	IIW#	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	<0.50	D008	5.0	0.50	mg/l	5	04/18/17	04/19/17	ANJ	SW846 6010C ¹ SW846 3010A ²

- (1) Instrument QC Batch: N:MA41829
(2) Prep QC Batch: N:MP34

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

4.14

4

Client Sample ID: PC-19C 0-5'

Lab Sample ID: MC49976-75R

Matrix: SO - Soil

Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 82.6

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	0.72	D008	5.0	0.50	mg/l	5	04/18/17	04/19/17	ANJ	SW846 3010A ²

- (1) Instrument QC Batch: N:MA41829
(2) Prep QC Batch: N:MP34

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

4.15

4

Client Sample ID: PC 19 0 5' COMP

Lab Sample ID: MC49976-76R

Matrix: SO - Soil

Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 87.2

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	<0.50	D008	5.0	0.50	mg/l	5	04/18/17	04/19/17	ANJ	SW846 6010C ¹ SW846 3010A ²

- (1) Instrument QC Batch: N:MA41829
(2) Prep QC Batch: N:MP34

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- MCP Form
- MCP Form (SGS Accutest New Jersey)
- Sample Tracking Chronicle
- QC Evaluation: MA MCP Limits

[illegible]

[illegible][illegible]

MC49976R

Soil, Robert (Marlborough)

From: Jennifer Buttaro <jenniferb@envirotrac.com>
Sent: Friday, April 14, 2017 3:25 PM
To: Soil, Robert (Marlborough)
Subject: RE: Results for MC49976

The standard 5-7 day TAT works.

From: Soil, Robert (Marlborough) [mailto:Robert.Soil@sgs.com]
Sent: Friday, April 14, 2017 3:23 PM
To: Jennifer Buttaro <jenniferb@envirotrac.com>
Subject: RE: Results for MC49976

Thank you, the numbers I wrote are the sample numbers – they all match up. I will have NJ make sure they have enough volume to run.
What kind of TAT are you looking for?

Robert Soil
Environment, Health and Safety
Project Manager
Phone: +1 508 481 6200 ext 2107

From: Jennifer Buttaro [mailto:jenniferb@envirotrac.com]
Sent: Friday, April 14, 2017 2:16 PM
To: Soil, Robert (Marlborough)
Subject: RE: Results for MC49976

Hi Rob,
Yes only for MC49976. It looks like there are 15 samples with Pb results greater than 100 mg/kg. The samples are identified in the attached table in red. I am not sure what the numbers highlighted below mean.

Thanks,

Jenn

From: Soil, Robert (Marlborough) [mailto:Robert.Soil@sgs.com]
Sent: Friday, April 14, 2017 1:57 PM
To: Jennifer Buttaro <jenniferb@envirotrac.com>
Subject: RE: Results for MC49976

Hi Jennifer,
Please confirm you would like TCLP PB for the following samples on MC49976 (just MC49976 right? because you said project – there are a few other sampling events on this project)
137 99.9mg/kg of PB
17,25,29,45,46,48,49,57,61,62,64,70,74,75,76

Thx,

Robert Soil

1



5.1

Environment, Health and Safety
Project Manager
Phone: +1 508 481 6200 ext 2107

From: Jennifer Buttaro [mailto:jenniferb@envirotrac.com]
Sent: Friday, April 14, 2017 1:04 PM
To: Soil, Robert (Marlborough)
Subject: RE: Results for MC49976

Hi Rob,

Can you please run TCLP for all of the soil samples with lead results over 100 mg/kg for this project? I know there are quite a few.

Please confirm.

Thank you,

Jenn

From: Soil, Robert (Marlborough) [mailto:Robert.Soil@sgs.com]
Sent: Tuesday, April 11, 2017 8:44 AM
To: Jennifer Buttaro <jenniferb@envirotrac.com>
Subject: RE: Results for MC49976

QA is still finishing up the MCP form, should be done shortly.

Thank you,

Robert Soil
Environment, Health and Safety
Project Manager
Phone: +1 508 481 6200 ext 2107

From: Jennifer Buttaro [mailto:jenniferb@envirotrac.com]
Sent: Monday, April 10, 2017 4:59 PM
To: Soil, Robert (Marlborough)
Subject: RE: Results for MC49976

OK

From: Soil, Robert (Marlborough) [mailto:Robert.Soil@sgs.com]
Sent: Monday, April 10, 2017 4:57 PM
To: Jennifer Buttaro <jenniferb@envirotrac.com>
Subject: RE: Results for MC49976

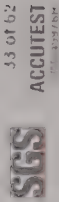
Jennifer – looks like data is being reworking, checking to see if it's still on track for COB today.
Thx,

Robert Soil

2



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Environment, Health and Safety
Project Manager
Phone: +1 508 481 6200 ext 2107

From: Jennifer Butaro [mailto:jenniferb@envirotrac.com]
Sent: Monday, April 10, 2017 2:05 PM
To: Soil, Robert (Marlborough)
Subject: RE: Results for MC49976

Is there any way for this data to be available on lab link? I just checked and it's not there, and need to be able to view in table format compared to standards.

From: Soil, Robert (Marlborough) [mailto:Robert.Soil@sgs.com]
Sent: Monday, April 10, 2017 2:03 PM
To: Jennifer Butaro <jenniferb@envirotrac.com>
Subject: Results for MC49976
Importance: High

Jennifer,
Here are results we have so far, minus Herbicides.
Thank you,

Robert Soil
Environment, Health and Safety
Project Manager

SGS Accutest
50 D'Angelo Drive
Marlborough, MA 01752
Phone: +1 508 481 6200 ext 2107
Fax: +1 508 481 7753
Email: Robert.Soil@sgs.com

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EHSLIVE
ONLINE CHAT

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5.1

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MC49976R; Chain of Custody

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	Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	WSC-CAM July 1, 2010 Final	Exhibit VII A Revision No. 1
Exhibit VII A-2: MassDEP Analytical Protocol Certification Form			

MassDEP Analytical Protocol Certification Form									
Laboratory Name	SGS Accutest- Marlborough			Project #:		MC49976R			
Project Location:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA			MADEP RTN		None			
This form provides certifications for the following data set list Laboratory Sample ID Numbers(s) MC49976-17R, MC49976-25R, MC49976-29R, MC49976-45R, MC49976-48R, MC49976-48R, MC49976-48R, MC49976-48R, MC49976-49R, MC49976-57R, MC49976-61R, MC49976-62R, MC49976-64R, MC49976-70R, MC49976-74R.									
Matrices	Groundwater/Surface Water ()	Soil/Sediment (X)	Drinking Water ()	Air ()	Other ()				
CAM Protocol (check all that apply below)									
8260 VOC ()	7470/7471 Hg ()	MassDEP VPH ()	8081 Pesticides ()	7196 Hex Cr ()	Mass DEP APH ()				
CAM IIA	CAM III B	CAM IV A	CAM V B	CAM VI B	CAM IX A				
8270 SVOC ()	7010 Metals ()	MassDEP EPH ()	8151 Herbicides ()	8330 Explosives ()	TO-15 VOC ()				
CAM IIB	CAM III C	CAM IV B	CAM V C	CAM VIII A	CAM IX B				
6010 Metals (X)	6020 Metals ()	8082 PCB ()	9014 Total Cyanide/PAC ()	8660 Perchlorate ()					
CAM III A	CAM III D	CAM V A	CAM VI A	CAM VIII B					
Affirmative Responses to Questions A Through F are required for "Presumptive Certainty" status									
A	Were all samples received in a condition consistent with those described on the Chain of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?								
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?								
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?								
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?								
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications) b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?								
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?								
Responses to questions G, H, and I below is required for "Presumptive Certainty" status									
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocols								
Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data useability and representativeness requirements described in 310 CMR 40.1056(2)(k) and WSC-07-350.									
H	Were all QC performance standards specified in the CAM protocol(s) achieved?								
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?								
All Negative responses must be addressed in an attached Environmental Laboratory case narrative.									
I the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.									
Signature:				Position:		Laboratory Director			
Printed Name:	H. (Brad) Madadian			Date:		21-Apr-17			



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

WSG-CAM

Exhibit VII A

July 1, 2010

Revision No. 1

Final

Exhibit VII A-2: MassDEP Analytical Protocol Certification Form

MassDEP Analytical Protocol Certification Form

Laboratory Name

Accutest Mid-Atlantic

Project #:

MC49976R

Project Location #01074:

ENVIROTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

MADEP RTN

None

This form provides certifications for the following data set: list Laboratory Sample ID Numbers(s)
MC49976-17R,MC49976-29R,MC49976-45R,MC49976-46R,MC49976-48R
MC49976-49R,MC49976-57R,MC49976-61R,MC49976-62R,MC49976-64R,MC49976-70R
MC49976-74R,MC49

Matrices:

Groundwater/Surface Water ()

Soil/Sediment (X)

Drinking Water ()

Air ()

Other ()

CAM Protocol (check all that apply below)

8260 VOC ()

7470/7471 Hg ()

MassDEP VPH ()

8081 Pesticides ()

7196 Hex Cr ()

Mass DEP APH ()

CAM IIA

CAM III B

CAM IV A

CAM V B

CAM VI B

CAM IX A

8270 SVOC ()

7010 Metals ()

MassDEP EPH ()

8151 Herbicides ()

8330 Explosives ()

TO-15 VOC ()

CAM II B

CAM III C

CAM IV B

CAM V C

CAM VIII A

CAM IX B

6010 Metals (X)

6020 Metals ()

8032 PCB ()

9014 Total Cyanide/PAC ()

6860 Perchlorate ()

CAM VIII B

CAM III A

CAM III D

CAM V A

CAM VI A

Affirmative Responses to Questions A Through F are required for "Presumptive Certainty" status

A

Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?

Yes

No

B

Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?

Yes

No

C

Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?

Yes

No

D

Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?

Yes

No

E

VPH, EPH, and TO-15 only
a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications)
b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?

Yes

No

Yes

No

F

Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?

Yes

No

Responses to questions G, H, and I below is required for "Presumptive Certainty" status

G

Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocols

Yes

No

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40.1056(2)(k) and WSC-07-350.

H

Were all QC performance standards specified in the CAM protocol(s) achieved?

Yes

No

I

Were results reported for the complete analyte list specified in the selected CAM protocol(s)?

Yes

No

All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

I the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:

Nancy F. Cole

Position:

Laboratory Director

Printed Name:

Nancy F. Cole

Date:

20-Apr-17

SGS Accutest

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: MC49976R

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-17	Collected: 28 MAR 17 11:30	By: LMFM	Received: 29-MAR-17	By: TF	PC-5 0-5'	
MC49976-17	W846 6010C	19-APR-17 17:40	ANJ	18-APR-17	ANJ	EPB
MC49976-29	Collected: 28-MAR-17 12:05	By: LMFM	Received: 29-MAR-17	By: TF	PC-7 0-5'	
MC49976-29	W846 6010C	19-APR-17 18:05	ANJ	18-APR-17	ANJ	EPB
MC49976-29	Collected: 28-MAR-17 12:20	By: LMFM	Received: 29-MAR-17	By: TF	PC-8 0-5'	
MC49976-29	W846 6010C	19-APR-17 18:08	ANJ	18-APR-17	ANJ	EPB
MC49976-48	Collected: 28-MAR-17 13:40	By: LMFM	Received: 29-MAR-17	By: TF	PC-12 0-5'	
MC49976-48	W846 6010C	19-APR-17 18:11	ANJ	18-APR-17	ANJ	EPB
MC49976-48	Collected: 28-MAR-17 13:45	By: LMFM	Received: 29-MAR-17	By: TF	PC-12 5-10'	
MC49976-48	W846 6010C	19-APR-17 18:14	ANJ	18-APR-17	ANJ	EPB
MC49976-48	Collected: 28-MAR-17 13:50	By: LMFM	Received: 29-MAR-17	By: TF	PC-12 0-15' COMP	
MC49976-48	W846 6010C	19-APR-17 18:17	ANJ	18-APR-17	ANJ	EPB
MC49976-49	Collected: 28-MAR-17 13:55	By: LMFM	Received: 29-MAR-17	By: TF	PC-13 0-5'	
MC49976-49	W846 6010C	19-APR-17 18:20	ANJ	18-APR-17	ANJ	EPB
MC49976-57	Collected: 28-MAR-17 14:20	By: LMFM	Received: 29-MAR-17	By: TF	PC-15 0-5'	
MC49976-57	W846 6010C	19-APR-17 18:24	ANJ	18-APR-17	ANJ	EPB

Page 1 of 2

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SGS

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QC Evaluation: MA MCP Limits

Job Number: MC49976R
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.
Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00
Job No: MC49976R

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
---------------	--------	----------	----	---------	----	------------

MC49976-61B Collected: 28-MAR-17 14:30 By: LMFM Received: 29-MAR-17 By: TF
PC-16A 0-5'

MC49976-61BV846 6010C 19-APR-17 18:27 ANJ 18-APR-17 ANJ EPB

MC49976-61B Collected: 28-MAR-17 14:38 By: LMFM Received: 29-MAR-17 By: TF
PC-16B 0 5'

MC49976-62BV846 6010C 19-APR-17 18:30 ANJ 18-APR-17 ANJ EPB

MC49976-61B Collected: 28-MAR-17 14:45 By: LMFM Received: 29-MAR-17 By: TF
PC-16 0-5' COMP

MC49976-64BV846 6010C 19-APR-17 18:52 ANJ 18-APR-17 ANJ EPB

MC49976-70B Collected: 28-MAR-17 15:28 By: LMFM Received: 29-MAR-17 By: TF
PC-18B 0 5'

MC49976-70BV846 6010C 19-APR-17 18:55 ANJ 18-APR-17 ANJ EPB

MC49976-71B Collected: 28-MAR-17 15:38 By: LMFM Received: 29-MAR-17 By: TF
PC-19B 0 5'

MC49976-74BV846 6010C 19-APR-17 18:58 ANJ 18-APR-17 ANJ EPB

MC49976-73B Collected: 28-MAR-17 15:45 By: LMFM Received: 29-MAR-17 By: TF
PC-19C 0-5'

MC49976-75BV846 6010C 19-APR-17 19:01 ANJ 18-APR-17 ANJ EPB

MC49976-76B Collected: 28-MAR-17 15:45 By: LMFM Received: 29-MAR-17 By: TF
PC-19 0-5' COMP

MC49976-76BV846 6010C 19-APR-17 19:04 ANJ 18-APR-17 ANJ EPB

No Exceptions found.

* Sample used for QC is not from job MC49976R

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- OC Evaluation: MA MCP Limits

[illegible]

SGS Accutest Sample Receipt Summary

Job Number: MC49976

Client:

Project:

Date / Time Received: 3/30/2017 10:00:00 AM

Delivery Method:

Airbill #s:

Cooler Temps (Raw Measured) °C: Cooler 1: (1 6), Cooler 2: (1 4), Cooler 3 (2 0),

Cooler Temps (Corrected) °C: Cooler 1: (3 0), Cooler 2: (2 8), Cooler 3: (3 4),

Cooler Security

1. Custody Seals Present: ☒ Y ☐ N

2. Custody Seals Intact: ☒ Y ☐ N

Cooler Temperature

1. Temp criteria achieved: ☒ Y ☐ N

2. Cooler temp verification: IR Gun ☐

3. Cooler media: Ice (Bag) ☐

4. No Coolers: 3 ☐

Sample Integrity - Documentation

1. Sample labels present on bottles: ☒ Y ☐ N

2. Container labeling complete: ☒ Y ☐ N

3. Sample container label / COC agree: ☒ Y ☐ N

Sample Integrity - Condition

1. Sample recvd within HT: ☒ Y ☐ N

2. All containers accounted for: ☒ Y ☐ N

3. Condition of sample: Intact ☐

Sample Integrity - Instructions

1. Analysis requested is clear: ☒ Y ☐ N

2. Bottles received for unspecified tests: ☒ Y ☐ N

3. Sufficient volume recvd for analysis: ☒ Y ☐ N

4. Compositing instructions clear: ☐ Y ☐ N

5. Filtering instructions clear: ☐ Y ☐ N

Quality Control - Preservation

1. Trip Blank present / cooler: ☐ Y ☐ N

2. Trip Blank listed on COC: ☐ Y ☐ N

3. Samples preserved properly: ☒ Y ☐ N

4. VOCs headspace free: ☐ Y ☒ N

Comments

5M369-02

Rev. Date 12/1/16

MC49976

Job Change Order:

Requested Date: 4/14/2017
Account Name: EnviroTrac, Ltd
Project Description: Maggiora Somerville, 343 - 351 Summer Street, S
CSR: roberts
Received Date: 3/29/2017
Due Date: 4/5/2017
Deliverable: MAMCP
TAT (Days): 7

Sample # MC49976-
17,25,29,45,46,48,49,57,61,62,
64,70,74,75,76
Dept: Relog for TCLP PB, per client request
TAT: 7

Above Changes Per:
To Client: This Change Order is confirmation of the revisions, previously discussed with the SGS Accutest Client Service Representative

Page 1 of 1

MC49976R: Chain of Custody
Page 8 of 9

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MC49976R: Chain of Custody
Page 9 of 9

Internal Sample Tracking Chronicle

SGS Accutest New England
ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC49976R

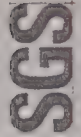
Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-17PC-5 0-5'	Collected: 28-MAR-17 11:30	By: LMFM	Received: 29-MAR-17	By: AS		
MC49976-17PC-7 0-5'	Collected: 28-MAR-17 12:05	By: LMFM	Received: 29-MAR-17	By: AS		
MC49976-25PC-8 0-5'	Collected: 28-MAR-17 12:20	By: LMFM	Received: 29-MAR-17	By: AS		
MC49976-25PC-12 0 5'	Collected: 28-MAR-17 13:40	By: LMFM	Received: 29-MAR-17	By: AS		
MC49976-45PC-12 5-10'	Collected: 28-MAR-17 13:45	By: LMFM	Received: 29-MAR-17	By: AS		
MC49976-45PC-12 5-10'	Collected: 28-MAR-17 13:50	By: LMFM	Received: 29-MAR-17	By: AS		
MC49976-45PC-12 0 15' COMP	Collected: 28-MAR-17 14:20	By: LMFM	Received: 29-MAR-17	By: AS		
MC49976-57PC-15 0-5'	Collected: 28-MAR-17 18:24	AB	18-APR-17	CSF	EPB	

Internal Sample Tracking Chronicle

SGS Accutest New England
ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC49976R

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-61PC-16A 0-5'	Collected: 28-MAR-17 14:30	By: LMFM	Received: 29-MAR-17	By: AS		
MC49976-61PC-16B 0-5'	Collected: 28-MAR-17 14:38	By: LMFM	Received: 29-MAR-17	By: AS		
MC49976-62PC-16 0-5' COMP	Collected: 28-MAR-17 14:45	By: LMFM	Received: 29-MAR-17	By: AS		
MC49976-64PC-16 0-5' COMP	Collected: 28-MAR-17 15:28	By: LMFM	Received: 29-MAR-17	By: AS		
MC49976-70PC-18B 0-5'	Collected: 28-MAR-17 15:38	By: LMFM	Received: 29-MAR-17	By: AS		
MC49976-74PC-19B 0-5'	Collected: 28-MAR-17 15:45	By: LMFM	Received: 29-MAR-17	By: AS		
MC49976-74PC-19C 0-5'	Collected: 28-MAR-17 15:45	By: LMFM	Received: 29-MAR-17	By: AS		
MC49976-75PC-19 0-5' COMP	Collected: 28-MAR-17 15:45	By: LMFM	Received: 29-MAR-17	By: AS		
MC49976-76PC-19 0-5' COMP	Collected: 28-MAR-17 15:45	By: LMFM	Received: 29-MAR-17	By: AS		



ACCUTEST
New England

Section 7

QC Evaluation: MA MCP Limits

Job Number: MC49976R
Account: SGS Accutest New England
Project: ENVTRAC: Maggione Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Units	Limits
--------------	------	---------	-------------	-------------	-------	--------

No Exceptions found.

Metals Analysis

QC Data Summaries

(SGS Accutest New Jersey)

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

* Sample used for QC is not from job MC49976R

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Project: ENVTRAC; Account: ALNE - SGS Accutest New England
Somerville, 343 - 351 Summer Street, Somerville, MA

Methods: SW646 6010C

Login Number: MC49976K

04/18/17

Element	Concentration	Units	IDL	Result
Aluminum	1.0	.084	.1	
Antimony	0.50	.012	.017	
Arsenic	0.50	.007	.011	
Barium	1.0	.0015	.002	
Bismuth	0.10	.01	.015	
Boron	0.50	.009	.02	
Cadmium	0.025	.0015	.002	
Calcium	10	.17	.17	
Chromium	0.050	.0035	.004	
Cobalt	0.25	.0015	.0035	
Copper	0.050	.0015	.012	
Iron	0.50	.021	.062	
Lead	0.50	.008	.012	-0.00090 <0.50
Magnesium	10	.21	.42	
Manganese	0.075	.001	.002	
Palladium	0.25	.011	.019	
Potassium	10	.41	.58	
Selenium	0.50	.021	.021	
Silicon	1.0	.012	.14	
Silver	0.050	.005	.0045	
Strontium	0.050	.0015	.001	
Thallium	0.50	.018	.0095	
Tin	0.050	.0075	.012	
Tungsten	0.25	.009	.016	
Vanadium	0.25	.0025	.0035	
Zinc	0.10	.021	.0065	
Zirconium	0.050	.0025	.0015	

7.1.1 7

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Project: ENVTRAC; Account: ALNE - SGS Accutest New England
Somerville, 343 - 351 Summer Street, Somerville, MA

Methods: LEACHATE

Login Number: MC49976K

04/18/17

Element	Concentration	Units	IDL	Result
Aluminum	1.0	.084	.1	
Antimony	0.50	.012	.017	
Arsenic	0.50	.007	.011	
Barium	1.0	.0015	.002	
Bismuth	0.10	.01	.015	
Boron	0.50	.009	.02	
Cadmium	0.025	.0015	.002	
Calcium	10	.17	.17	
Chromium	0.050	.0035	.004	
Cobalt	0.25	.0015	.0035	
Copper	0.050	.0015	.012	
Iron	0.50	.021	.062	
Lead	0.50	.008	.012	-0.00090 <0.50
Magnesium	10	.21	.42	
Manganese	0.075	.001	.002	
Palladium	0.25	.011	.019	
Potassium	10	.41	.58	
Selenium	0.50	.021	.021	
Silicon	1.0	.012	.14	
Silver	0.050	.005	.0045	
Strontium	0.050	.0015	.001	
Thallium	0.50	.018	.0095	
Tin	0.050	.0075	.012	
Tungsten	0.25	.009	.016	
Vanadium	0.25	.0025	.0035	
Zinc	0.10	.021	.0065	
Zirconium	0.050	.0025	.0015	

7.1.1 7

SERIAL DILUTION RESULTS SUMMARY

Account: ALINE - SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
QC Batch ID: MP34
Methods: SW846 6010C
Units: ug/l

Element	Original SDL 5:25 SDIF	QC Limits
---------	------------------------	-----------

Antimony
Arsenic
Barium
Beryllium
Bismuth
Cadmium
Calcium
Chromium
Copper
Iron
Lead
Magnesium
Manganese
Molybdenum
Nickel
Palladium
Phosphorus
Selenium
Silicon
Sodium
Sulfur
Tantalum
Tellurium
Thallium
Tin
Titanium
Tungsten
Vanadium

0-10

136

3.9

7.1.3

7

Associated samples MP34: MC49976-17R, MC49976-25K, MC49976-29K, MC49976-45K, MC49976-46K, MC49976-48K, MC49976-49R, MC49976-57R, MC49976-61R, MC49976-62R, MC49976-64K, MC49976-70R, MC49976-74K, MC49976-75R, MC49976-76K

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Element	Original SDL 5:25 SDIF	QC Limits
---------	------------------------	-----------

SERIAL DILUTION RESULTS SUMMARY

Account: ALINE - SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
QC Batch ID: MP34
Methods: SW846 6010C
Units: ug/l

Element	Original SDL 5:25 SDIF	QC Limits
---------	------------------------	-----------

Associated samples MP34: MC49976-17R, MC49976-25K, MC49976-29K, MC49976-45K, MC49976-46K, MC49976-48K, MC49976-49R, MC49976-57R, MC49976-61R, MC49976-62R, MC49976-64K, MC49976-70R, MC49976-74K, MC49976-75R, MC49976-76K

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested



Envirotrac Ltd.

MicroVision Labs Coal Ash Report, Job # 10618
Client Project#: 03.990202.01
Client Project Name: Maggiore Somerville

Scope of Work:

This report covers the methods and findings of the Coal/Coal Ash analysis that MicroVision Laboratories, Inc. conducted on six (6) soil samples submitted for testing from the Maggiore Somerville project. The purpose of this analysis was to detect and document any coal, coal ash or wood ash that may be present in the submitted soil sample by use of a combination of microscopy techniques including SEM/EDS, PLM, and macroscopic inspection.

Methods:

The samples were dried and examined by eye and under the stereomicroscope for any suspect dark components to the soil. Dark suspect particles were separated from the soil samples and prepared for examination by Polarized Light Microscopy (PLM) and Scanning Electron Microscopy with Energy Dispersive X-Ray Spectroscopy (SEM/EDS).

For the PLM examination, the suspect particle types detected in the samples were ground in a mortar and pestle, mounted on glass slides in immersion oil ($n=1.515$) and covered with glass cover slips. The sample particles were then examined at various magnifications and digital images were taken.

For the SEM examination, the suspect particle types were mounted on an aluminum analysis stub with double sided adhesive tape, coated with evaporated graphite and examined under the SEM by EDS to obtain elemental data in the form of EDS spectra. Digital images were taken of the sample particles at various magnifications with the SEM.

Findings:

The following pages display the data for each particle type detected in the samples for this project. Each page contains a PLM image, SEM image, and EDS spectrum for the particle types detected for these samples as well as particle type descriptions and observations.

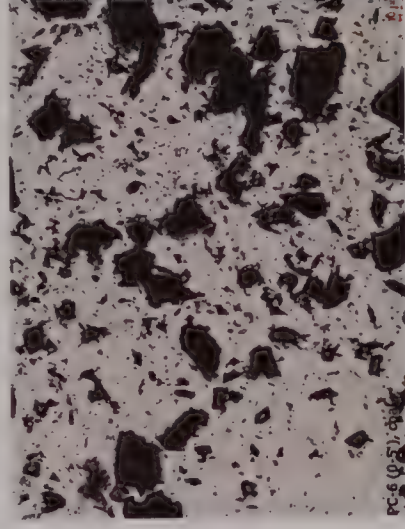
MicroVision Laboratories, Inc. 187 Billerica Road, Chelmsford, MA 01824
Phone: (978) 250-9909 Fax (978) 250-9901 Email: Sales@MicroVisionLabs.com
www.MicroVisionLabs.com

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www.MicroVisionLabs.com

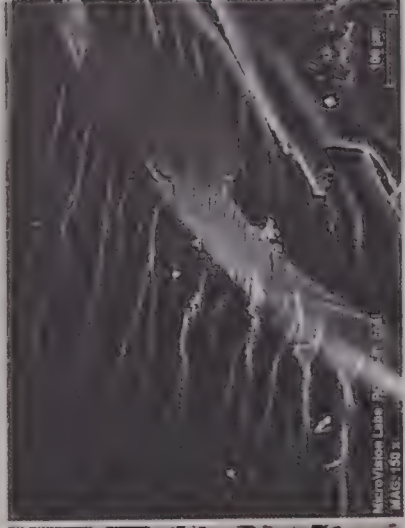
Sample: PC-6 0-5'

Number of Suspect Particle Types: Two (2)

Coal: This particle type consisted of over one hundred (100+) shiny, black grains approximately 1-35mm in diameter. The PLM examination indicated this particle type to be consistent with coal. The PLM and SEM images of this particle type show the angular edges and typical conchoidal fractures found in coal.



PLM Image

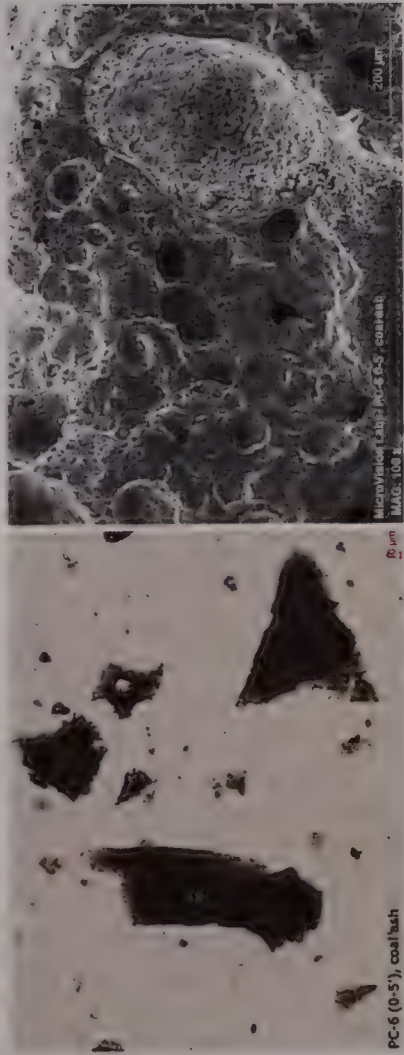


SEM Image

The EDS spectrum, shown below, confirms that this particle type is coal. The analysis for this particle shows concentrations of carbon, oxygen, and sulfur.



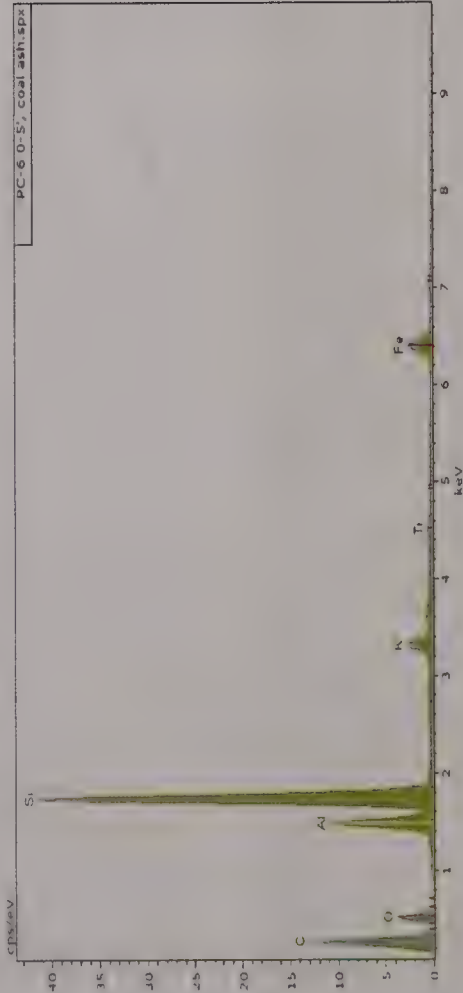
Coal Ash: This particle type consisted of eight to ten (8-10) dark, porous grains approximately 1-8mm in diameter. The PLM examination indicated this particle type to be consistent with coal ash. The PLM and SEM images show the spherical gas voids that formed during combustion.



PLM Image

SEM Image

The EDS spectrum, shown below, indicates this particle type is coal ash. The analysis for this particle shows concentrations of carbon, oxygen, aluminum, silicon, potassium, titanium, and iron.

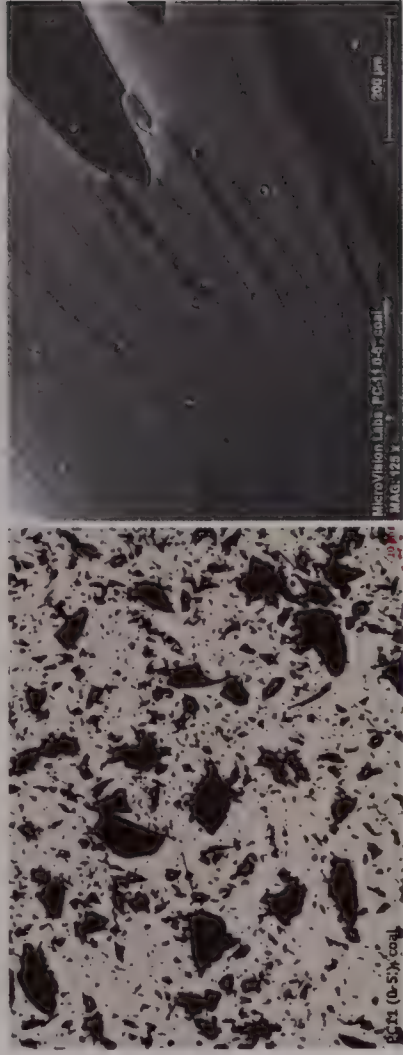


MicroVision Laboratories, Inc. 187 Billerica Road, Chelmsford, MA 01824
Phone: (978) 250-9909 Fax: (978) 250-9901 Email: Sales@MicroVisionLabs.com
www.MicroVisionLabs.com

Sample: PC-11 0-5'

Number of Suspect Particle Types: Two (2)

Coal: This particle type consisted of over one hundred (100+) shiny, black grains approximately 1-20mm in diameter. The PLM examination indicated this particle type to be consistent with coal. The PLM and SEM images of this particle type show the angular edges and typical conchoidal fractures found in coal.



PLM Image

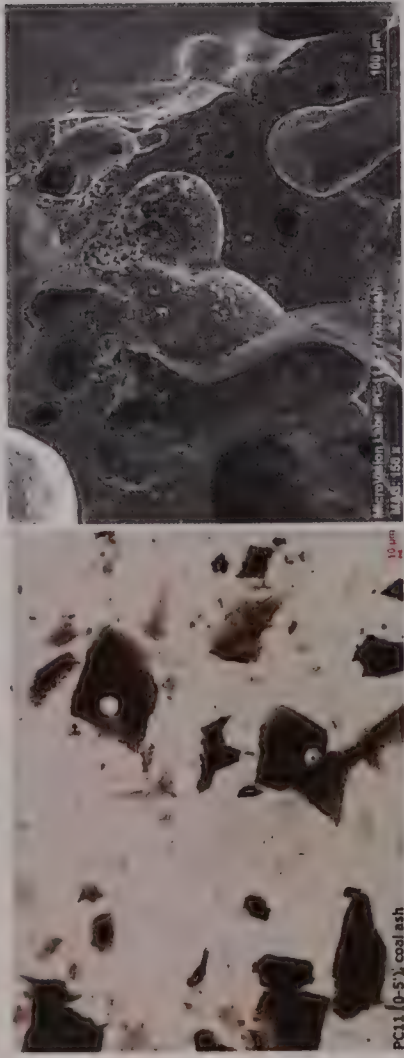
SEM Image

The EDS spectrum, shown below, confirms that this particle type is coal. The analysis for this particle shows concentrations of carbon, oxygen, sulfur and chlorine.



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Phone: (978) 250-9909 Fax: (978) 250-9901 Email: Sales@MicroVisionLabs.com
www.MicroVisionLabs.com

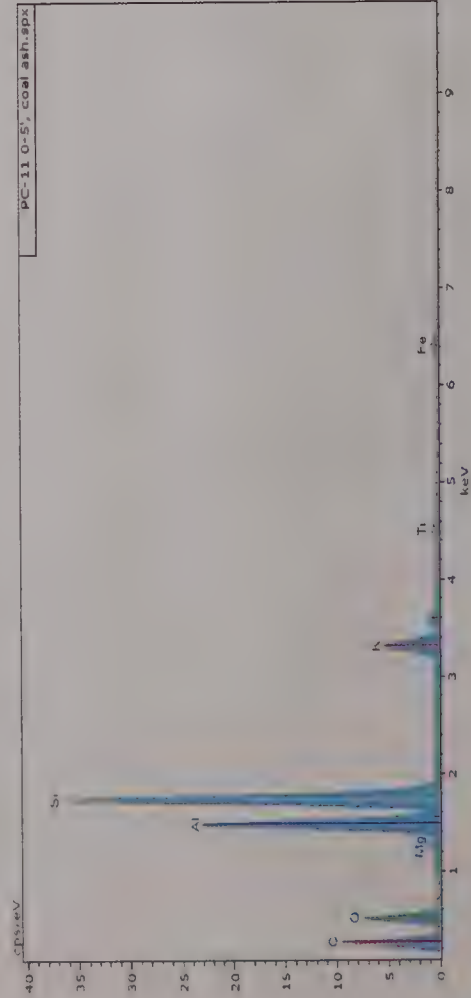
Coal Ash: This particle type consisted of twenty-five to thirty (25-30) dark, porous grains approximately 2-38mm in diameter. The PLM examination indicated this particle type to be consistent with coal ash. The PLM and SEM images show the spherical gas voids that formed during combustion.



PLM Image

SEM Image

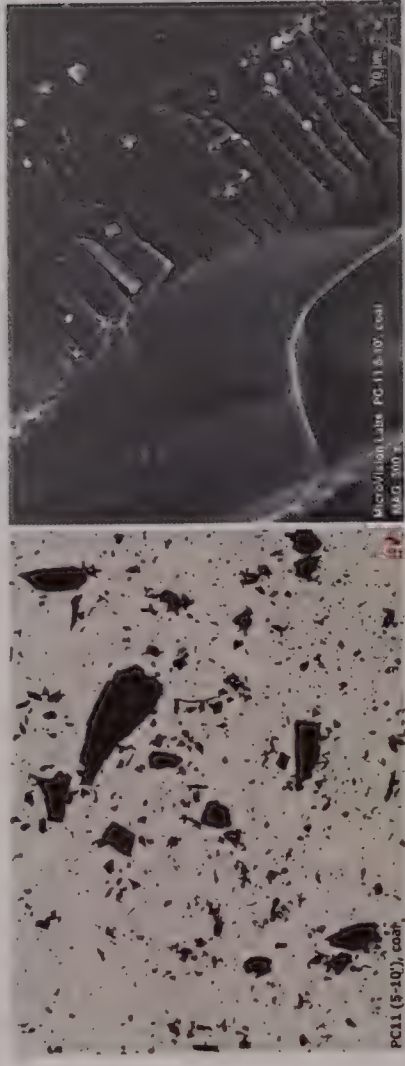
The EDS spectrum, shown below, indicates this particle type is coal ash. The analysis for this particle shows concentrations of carbon, oxygen, magnesium, aluminum, silicon, potassium, titanium and iron.



Sample: PC-11 5-10'

Number of Suspect Particle Types: Four (4)

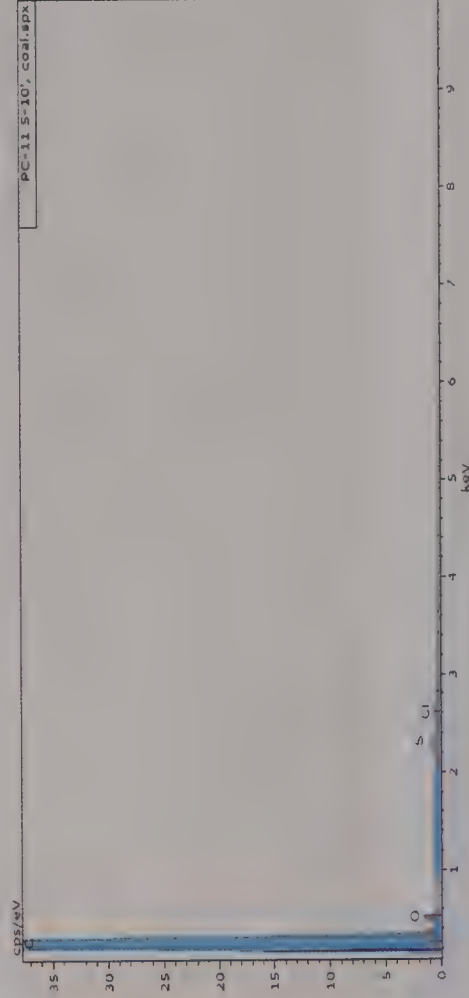
Coal: This particle type consisted of fifty (50+) shiny (50+) dark, black grains approximately 1-15mm in diameter. The PLM examination indicated this particle type to be consistent with coal. The PLM and SEM images of this particle type show the angular edges and typical conchoidal fractures found in coal.



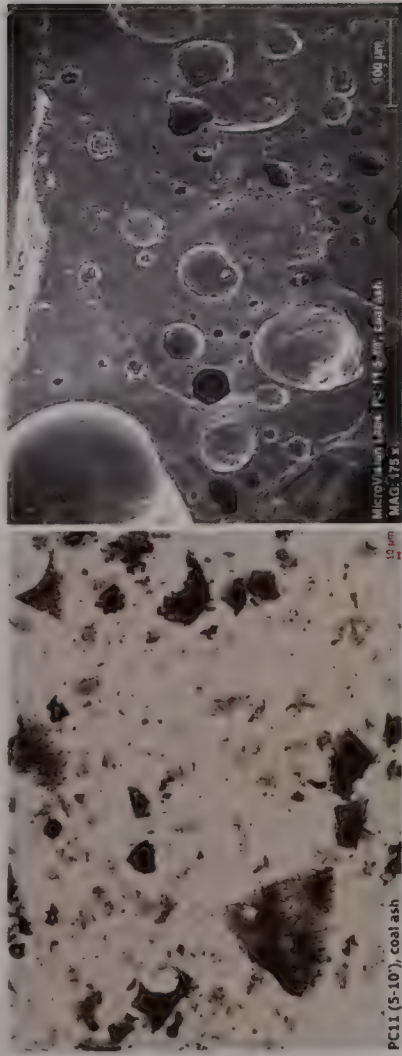
PLM Image

SEM Image

The EDS spectrum, shown below, confirms that this particle type is coal. The analysis for this particle shows concentrations of carbon, oxygen, sulfur and chlorine.



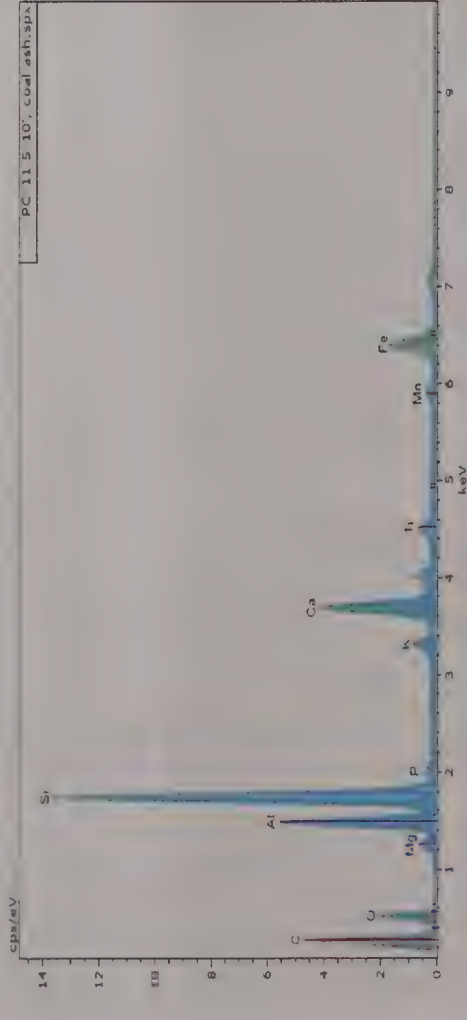
Coal Ash: This particle type consisted of eight to ten (8-10) dark, porous grains approximately 1-12mm in diameter. The PLM examination indicated this particle type to be consistent with coal ash. The PLM and SEM images show the spherical gas voids that formed during combustion.



PLM Image

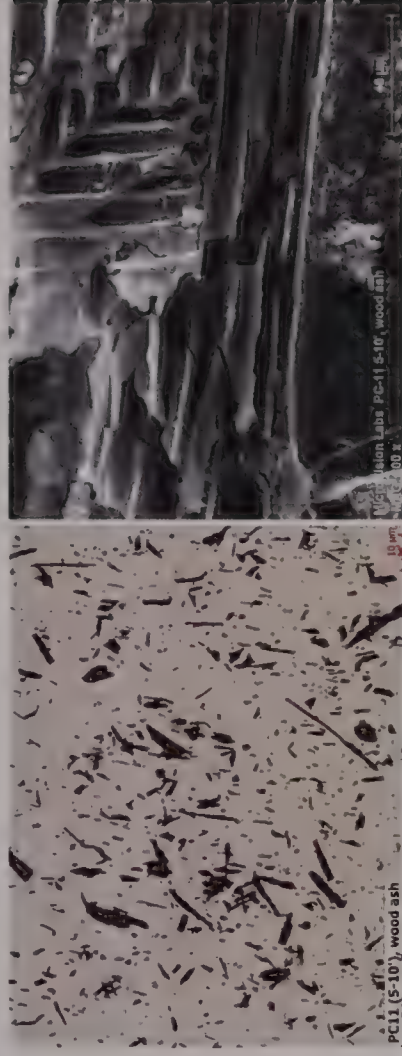
SEM Image

The EDS spectrum, shown below, indicates this particle type is coal ash. The analysis for this particle shows concentrations of carbon, oxygen, magnesium, aluminum, silicon, phosphorus, potassium, calcium, titanium, manganese and iron.



MicroVision Laboratories, Inc. 187 Billerica Road, Chelmsford, MA 01824
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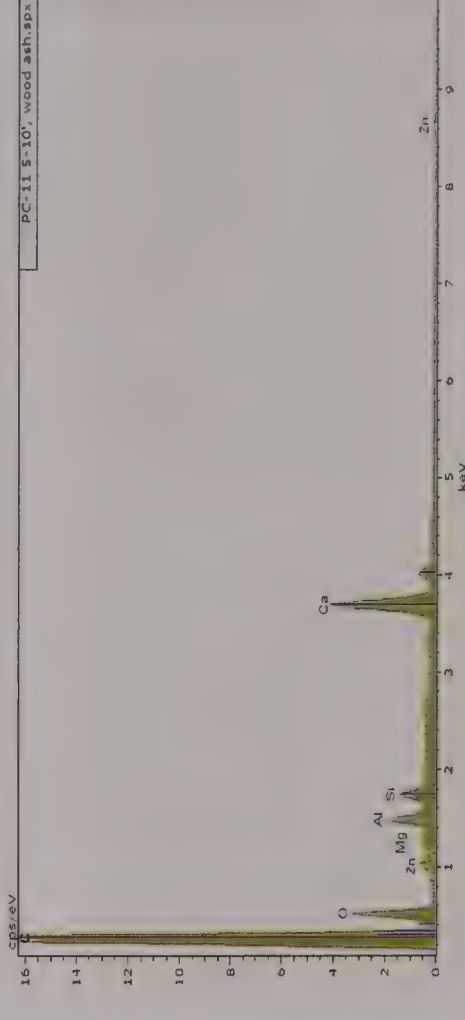
Wood Ash: This particle type consisted of one (1) friable, black grain approximately 1mm in length. The PLM examination indicated this particle type to be consistent with wood ash. The PLM and SEM photos show the cellular structure typical of wood still present in these grains.



PLM Image

SEM Image

The EDS spectrum, shown below, indicates this particle type is wood ash. The analysis for this particle shows concentrations of carbon, oxygen, zinc, magnesium, aluminum, silicon, and calcium.

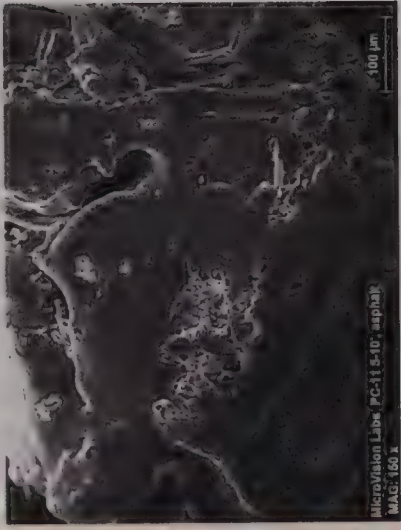


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Asphalt: This particle type consisted of six (6) ductile, black grains approximately 2-8mm in diameter. These grains had mineral matter embedded in and stuck to them. During the PLM examination, these particles slowly dissolved in the mounting oil which is a typical characteristic of asphalt. The PLM image shows the dissolving asphalt particles, and the SEM image illustrates the morphology of asphalt with the embedded mineral grains.



PLM Image



SEM Image

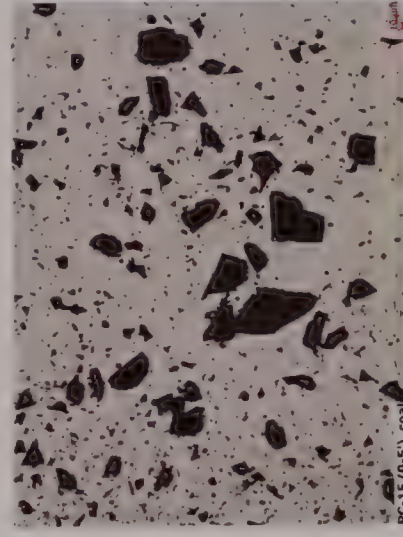
The EDS spectrum, shown below, indicates this particle type is asphalt. The analysis for this particle shows concentrations of carbon, oxygen, magnesium, aluminum, silicon and sulfur.



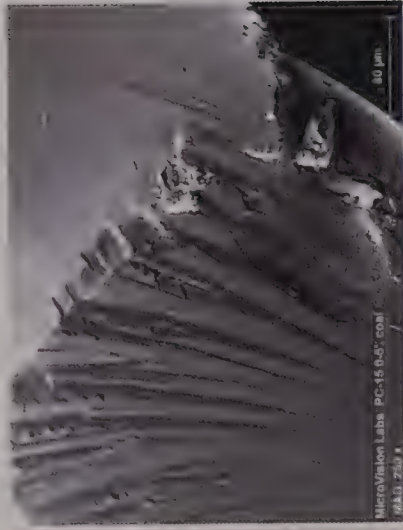
Sample: PC-15 0-5'

Number of Suspect Particle Types: Two (2)

Coal: This particle type consisted of over one hundred (100+) shiny, black grains approximately 1-35mm in diameter. The PLM examination indicated this particle type to be consistent with coal. The PLM and SEM images of this particle type show the angular edges and typical conchoidal fractures found in coal.



PLM Image

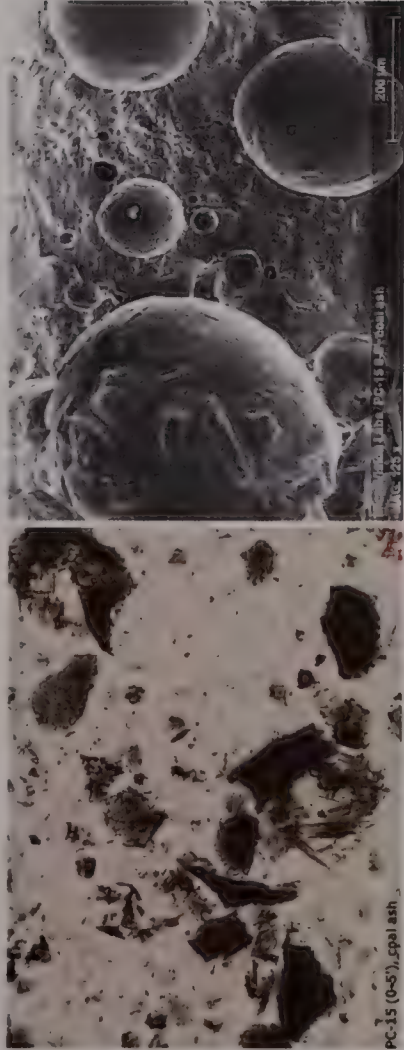


SEM Image

The EDS spectrum, shown below, confirms that this particle type is coal. The analysis for this particle shows concentrations of carbon, oxygen, and sulfur.



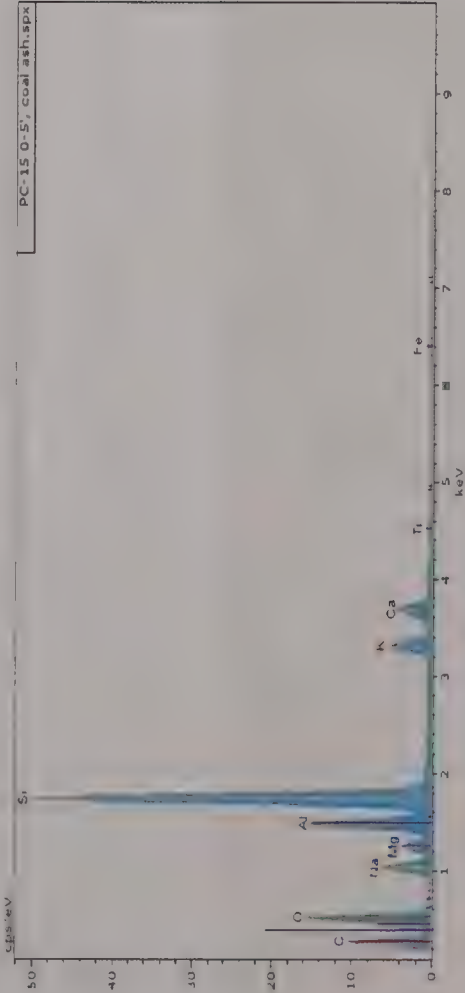
Coal Ash: This particle type consisted of thirty-five to forty (35-40) dark, porous grains approximately 1-15mm in diameter. The PLM examination indicated this particle type to be consistent with coal ash. The PLM and SEM images show the spherical gas voids that formed during combustion.



PLM Image

SEM Image

The EDS spectrum, shown below, indicates this particle type is coal ash. The analysis for this particle shows concentrations of carbon, oxygen, sodium, magnesium, aluminum, silicon, potassium, calcium, titanium and iron.

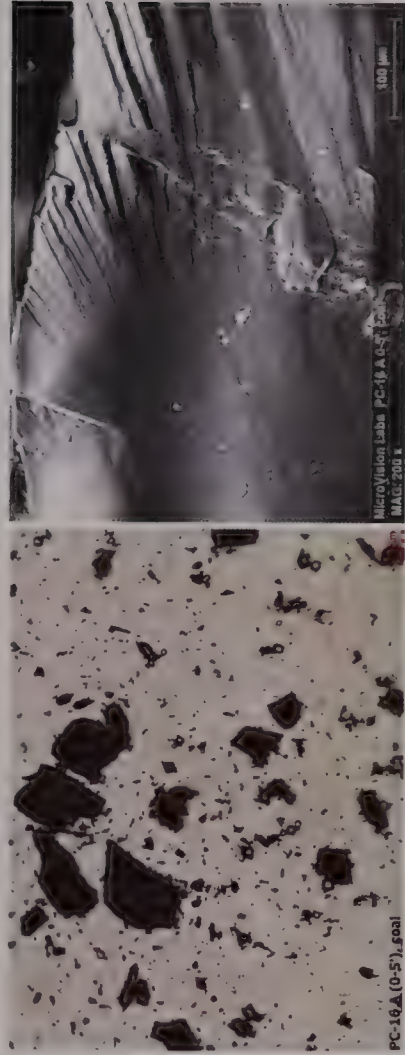


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Sample: PC-16A 0-5'

Number of Suspect Particle Types: Two (2)

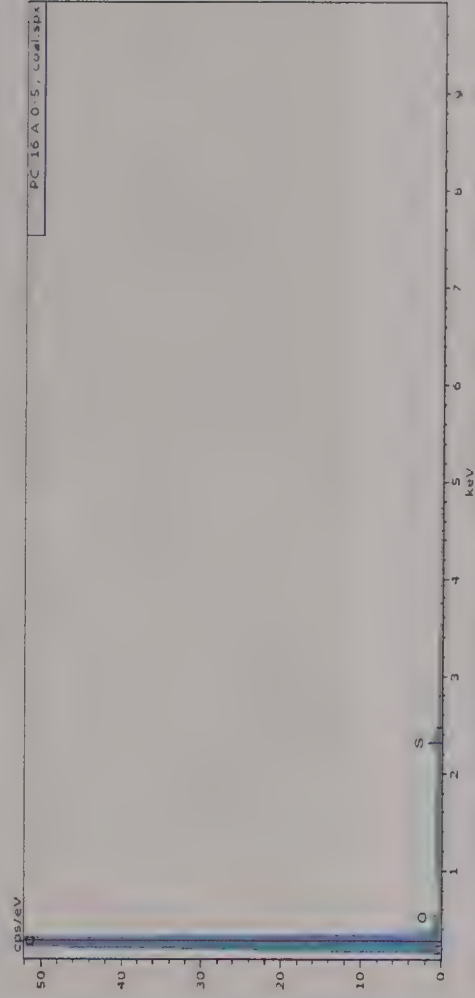
Coal: This particle type consisted of over one hundred (100+) shiny, black grains approximately 1-17mm in diameter. The PLM examination indicated this particle type to be consistent with coal. The PLM and SEM images of this particle type show the angular edges and typical conchoidal fractures found in coal.



PLM Image

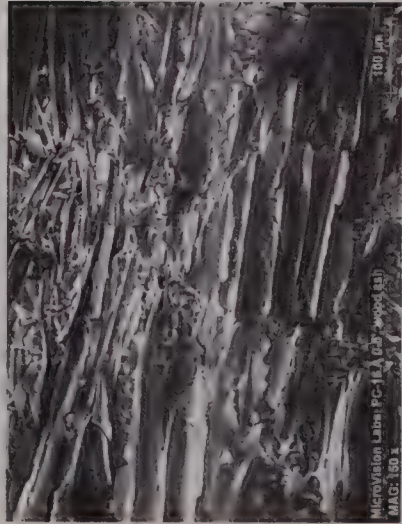
SEM Image

The EDS spectrum, shown below, confirms that this particle type is coal. The analysis for this particle shows concentrations of carbon, oxygen, and sulfur.



MicroVision Laboratories, Inc. 187 Billerica Road, Chelmsford, MA 01824
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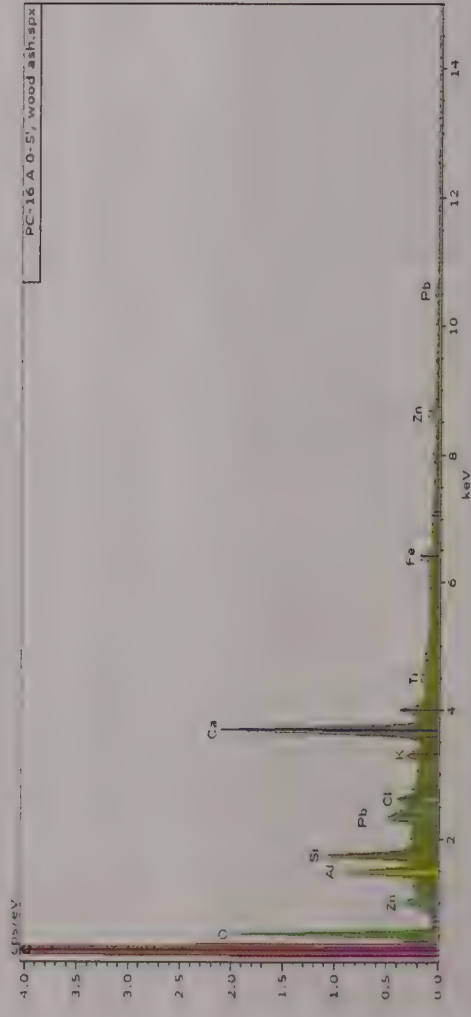
Wood Ash: This particle type consisted of ten to fifteen (10-15) friable, black grains approximately 2-7mm in length. The PLM examination indicated this particle type to be consistent with wood ash. The PLM and SEM photos show the cellular structure typical of wood still present in these grains.



PLM Image

SEM Image

The EDS spectrum, shown below, indicates this particle type is wood ash. The analysis for this particle shows concentrations of carbon, oxygen, aluminum, silicon, chlorine, potassium, calcium, titanium, iron, zinc and lead*.



Sample: PC-16B 0-5'

Number of Suspect Particle Types: Two (2)

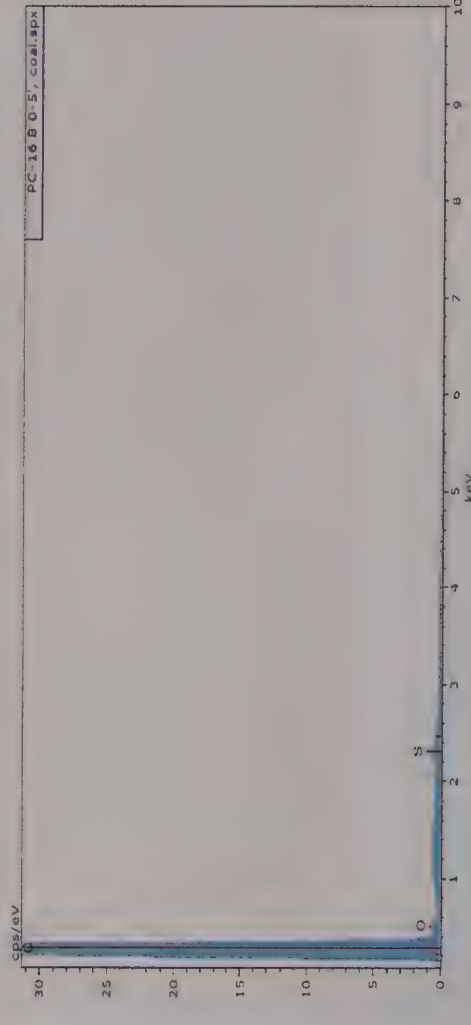
Coal: This particle type consisted of over one hundred (100+) shiny, black grains approximately 1-30mm in diameter. The PLM examination indicated this particle type to be consistent with coal. The PLM and SEM images of this particle type show the angular edges and typical conchoidal fractures found in coal.



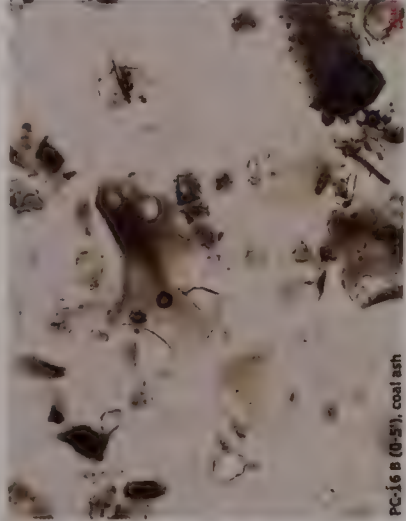
PLM Image

SEM Image

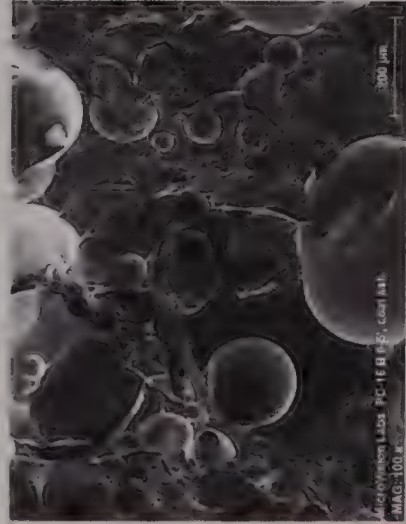
The EDS spectrum, shown below, confirms that this particle type is coal. The analysis for this particle shows concentrations of carbon, oxygen, and sulfur.



Coal Ash: This particle type consisted of twelve to fifteen (12-15) dark, porous grains approximately 1-10mm in diameter. The PLM examination indicated this particle type to be consistent with coal ash. The PLM and SEM images show the spherical gas voids that formed during combustion.



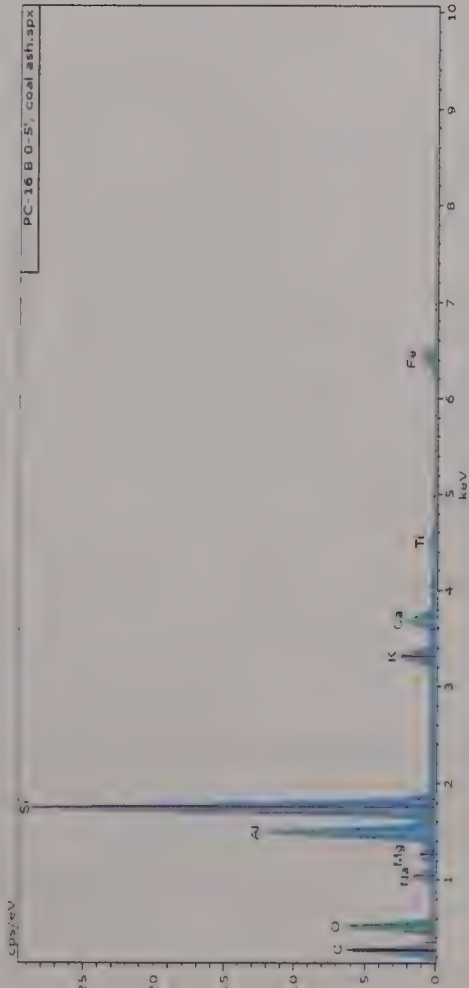
PC-16 B (0-5'), coal ash



SEM Image

PLM Image

The EDS spectrum, shown below, indicates this particle type is coal ash. The analysis for this particle shows concentrations of carbon, oxygen, sodium, magnesium, aluminum, silicon, potassium, calcium, titanium and iron.



Results Summary Table:

Sample Name	Material Detected
PC-6 0-5'	Coal (very heavy), Coal Ash (light)
PC-11 0-5'	Coal (very heavy), Coal Ash (moderate)
PC-11 5-10'	Coal (heavy), Coal Ash (light), Wood Ash (trace), Asphalt (light)
PC-15 0-5'	Coal (very heavy), Coal Ash (moderate)
PC-16A 0-5'	Coal (very heavy), Wood Ash (light)
PC-16B 0-5'	Coal (very heavy), Coal Ash (light)

The concentrations of the particle types detected in these samples are listed in parenthesis in the table above and are based on the number of particles found and the relative difficulty in finding them. The concentration information is listed for informational purposes only and has no bearing on exemption status.

***In sample PC-16A 0-5'**, lead was detected in the wood ash particles. This is not a naturally occurring element in wood ash particles and further testing may be beneficial to determine the source and amount of lead present.

Please let us know if you have any questions about this analysis or if there is anything else we can do for you.

Sincerely,

Audra Chaput
Analytical Microscopist

Technical Report for

EnviroTrac, Ltd.

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

03.990202.00

SGS Accutest Job Number: MC49976

Sampling Date: 03/28/17

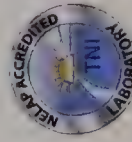
Report to:

EnviroTrac, Ltd.

denat@envirotrac.com

ATTN: Dena Tomassi

Total number of pages in report: 537



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Client Service contact: Robert Soll 508-481-6200

Certifications: MA (M-MA136.SW846 NELAP) CT (PH-0109) NH (250210) RI (00071) FL (E87579) NY (11791)
NJ (MA926) PA (6801121) LA (A1171119) ND (R-188) NC (653) IL (002337) WI (398080220)
DoD ELAP (L-A-B L2235)

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Test results relate only to samples analyzed.

		Chain Of Custody		MicroVision Labs Job#: 10618		
		Client Information		Project Information		
Client: EnviroTrac Ltd.		Billing Address: 343-351 Summer St, Somerville, MA 02143		Project Name: Maggiore Somerville		
Phone: 781-793-0074		Fax: 781-793-7877		Project Location: 343-351 Summer St, Somerville		
Email: jenniferb@envirotrac.com				Project Number: 03.990202.01		
				Project Manager: Jennifer Buttarro		
				PO#:		
Sample ID		Collected Date	Sampler's Initials	Requested Analysis		
				Coal Ash Test	Lead Paint	SEM/EDS
				PLM/Light Microscopy	Soot ID	Dust ID
				Unknown Mat'l ID	FTIR	Published Cross Section
				Particle Size Analysis	Weldline	Other
1) PC-6 0-5'	3/28/17	LM/FM	X			
2) PC-11 0-5'						
3) PC-11 5-10'						
4) PC-15 0-5'						
5) PC-16A 0-5'						
6) PC-16B 0-5'						
7)						
8)						
9)						
10)						
11)						
12)						
Relinquished By:		Date/Time	Received By:	Date/Time	Turn Around Time and Notes:	
[Signature]		3/28/17 14:14	EF Seaton Frisco	3/28/17 14:14	4/11/17 ADG	
Hazardous Contaminants: YES / NO		If Yes, please list:				
Analytical Report Requested: YES / NO						
MicroVision Laboratories, Inc. 187 Billerica Road, Chelmsford, MA 01824 Phone 978-250-9909 Fax 978-250-9901 Toll Free 1-877-250-9909 microvisionlabs.com						

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Sample Summary

EnviroTrac, Ltd.

Job No: MC49976

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
MC49976-1	03/28/17	09:50 LMFM03/29/17	SO	Soil	PC-1 0-5'
MC49976-2	03/28/17	10:04 LMFM03/29/17	SO	Soil	PC-1 5-10'
MC49976-3	03/28/17	10:12 LMFM03/29/17	SO	Soil	PC-1 10-15'
MC49976-4	03/28/17	10:12 LMFM03/29/17	SO	Soil	PC-1 0-15' COMP
MC49976-5	03/28/17	10:20 LMFM03/29/17	SO	Soil	PC-2 0-5'
MC49976-6	03/28/17	10:28 LMFM03/29/17	SO	Soil	PC-2 5-10'
MC49976-7	03/28/17	10:34 LMFM03/29/17	SO	Soil	PC-2 10-15'
MC49976-8	03/28/17	10:34 LMFM03/29/17	SO	Soil	PC-2 0-15' COMP
MC49976-9	03/28/17	10:40 LMFM03/29/17	SO	Soil	PC-3 0-5'
MC49976-10	03/28/17	10:45 LMFM03/29/17	SO	Soil	PC-3 5-10'
MC49976-11	03/28/17	10:50 LMFM03/29/17	SO	Soil	PC-3 10-15'
MC49976-12	03/28/17	10:50 LMFM03/29/17	SO	Soil	PC-3 0-15' COMP
MC49976-13	03/28/17	11:00 LMFM03/29/17	SO	Soil	PC-4 0-5'

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

EnviroTrac, Ltd.
Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC49976

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
MC49976-40	03/28/17	13:14	LMFM03/29/17	SO Soil	PC-10 0-15' COMP
MC49976-41	03/28/17	13:20	LMFM03/29/17	SO Soil	PC-11 0-5'
MC49976-42	03/28/17	13:25	LMFM03/29/17	SO Soil	PC-11 5-10'
MC49976-43	03/28/17	13:33	LMFM03/29/17	SO Soil	PC-11 10-15'
MC49976-44	03/28/17	13:33	LMFM03/29/17	SO Soil	PC-11 0-15' COMP
MC49976-45	03/28/17	13:40	LMFM03/29/17	SO Soil	PC-12 0-5'
MC49976-46	03/28/17	13:45	LMFM03/29/17	SO Soil	PC-12 5-10'
MC49976-47	03/28/17	13:50	LMFM03/29/17	SO Soil	PC-12 10-15'
MC49976-48	03/28/17	13:50	LMFM03/29/17	SO Soil	PC-12 0-15' COMP
MC49976-49	03/28/17	13:55	LMFM03/29/17	SO Soil	PC-13 0-5'
MC49976-50	03/28/17	14:00	LMFM03/29/17	SO Soil	PC-13 5-10'
MC49976-51	03/28/17	14:07	LMFM03/29/17	SO Soil	PC-13 10-15'
MC49976-52	03/28/17	14:07	LMFM03/29/17	SO Soil	PC-13 0-15' COMP

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

EnviroTrac, Ltd.
Maggiore Somerville, 343 - 351 Summer Sireet, Somerville, MA
Project No: 03.990202.00

Job No: MC49976

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
MC49976-53	03/28/17	14:10	LMFM03/29/17	SO Soil	PC-14 0-5'
MC49976-54	03/28/17	14:14	LMFM03/29/17	SO Soil	PC-14 5-10'
MC49976-55	03/28/17	14:18	LMFM03/29/17	SO Soil	PC-14 10-15'
MC49976-56	03/28/17	14:18	LMFM03/29/17	SO Soil	PC-14 0-15' COMP
MC49976-57	03/28/17	14:20	LMFM03/29/17	SO Soil	PC-15 0-5'
MC49976-58	03/28/17	14:22	LMFM03/29/17	SO Soil	PC-15 5-10'
MC49976-59	03/28/17	14:28	LMFM03/29/17	SO Soil	PC-15 10-15'
MC49976-60	03/28/17	14:28	LMFM03/29/17	SO Soil	PC-15 0-15' COMP
MC49976-61	03/28/17	14:30	LMFM03/29/17	SO Soil	PC-16A 0-5'
MC49976-62	03/28/17	14:38	LMFM03/29/17	SO Soil	PC-16B 0-5'
MC49976-63	03/28/17	14:45	LMFM03/29/17	SO Soil	PC-16C 0-5'
MC49976-64	03/28/17	14:45	LMFM03/29/17	SO Soil	PC-16 0-5' COMP
MC49976-65	03/28/17	14:58	LMFM03/29/17	SO Soil	PC-17A 0-5'

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Volatiles by GC/MS By Method SW846 8260C

Matrix: SO	Batch ID: MSM3004
<ul style="list-style-type: none">Continuing calibration check standard MSM3004-CC 2992 for 2-butanone, Tetrahydrofuran, n-butylbenzene exceeds 20% Difference (biased high). Associated samples are non-detect for this compoundAll samples were analyzed within the recommended method holding timeMSM3004-BIS for Acetone, 2-Butanone (MEK). Outside MCP control limits (biased high)All method blanks for this batch meet method specific criteriaMSM3004-MIB for Dibromofluoromethane Outside MCP control limits (biased high)MC49976-68: Confirmation runMC49976-64 Confirmation runMC49976-76: Confirmation runMC49976-64,68,76 for Dibromofluoromethane: Outside control limits due to possible matrix interference. Confirmed by reanalysisMC49976-64 for 4-Bromofluorobenzene: Outside control limits due to possible matrix interference. Confirmed by reanalysisMC49976-64,68,72 has internal standard Outside control limits due to possible matrix interference. Confirmed by reanalysis	

Matrix: SO	Batch ID: MSM3005
<ul style="list-style-type: none">All samples were analyzed within the recommended method holding timeMSM3005-BIS/BSD for Acetone, 2-Butanone (MEK). Outside MCP control limits (biased high)All method blanks for this batch meet method specific criteriaMSM3005-BIS/BSD for Dichlorodifluoromethane: Outside MCP control limits (biased low)RPD of MSM3005-BSD for Chloromethane, Vinyl chloride: Outside MCP control limitsMSM3005-MIB, MC49976-24 for Dibromofluoromethane Outside MCP control limits (biased high)Continuing calibration check standard for methyl tert butyl ether, di-isopropyl ether, 2-butanone, 2,2-dichloropropene, chloroform, 1,1-dichloropropene, tert-amyl methyl ether, trans-1,3-dichloropropene, n-butylbenzene exceeds 20% Difference (biased high). Associated samples are non-detect for this compoundRPD of MSM3005-BSD for Bromomethane, Dichlorodifluoromethane: Outside control limits. Individual spike recoveries within acceptance limitsContinuing calibration for dichlorodifluoromethane outside of acceptance criteria (biased low) Meets MCP technical requirements	

Matrix: SO	Batch ID: MSM3006
<ul style="list-style-type: none">MSM3006-BIS/BSD for Acetone (BS only), 2-Butanone (MEK). Outside MCP control limits (biased high)All samples were analyzed within the recommended method holding timeAll method blanks for this batch meet method specific criteriaInitial calibration verification standard MSM3006-ICV3006 for acetone, 2-butanone, 2-hexanone exceed 30% difference (biased high). Associated samples are non-detect for this compoundThe response factor (RF) for Acetone, 2-Butanone at low and average point in the initial calibration MSM3006-ICC3006 are less than the required RF of 0.1 as noted in Table 4 of SW846 8260C. The average and individual response factors for 1,4-Dioxane are less than 0.05	

Extractables by GC/MS By Method SW846 8270D

Matrix: SO	Batch ID: OP49564
<ul style="list-style-type: none">All samples were extracted within the recommended method holding timeAll samples were analyzed within the recommended method holding timeAll method blanks for this batch meet method specific criteriaQuadratic regression is employed for initial calibration standard MSR1934-ICC1934 for Benzoic acidContinuing Calibration MSR1939-CC1934 for 2,4-Dinitrophenol outside of acceptance criteria (biased low). Meets MCP technical requirements	

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Volatiles by GC By Method SW846 8015

Matrix: SO	Batch ID: GWX3998
<ul style="list-style-type: none">All samples were analyzed within the recommended method holding timeAll method blanks for this batch meet method specific criteria	

Extractables by GC By Method SW846 8081B

Matrix: SO	Batch ID: OP49567
<ul style="list-style-type: none">All samples were extracted within the recommended method holding timeAll samples were analyzed within the recommended method holding timeAll method blanks for this batch meet method specific criteriaQuadratic regression is employed for initial calibration standard GBE2736-ICC2736, signal #1 for HexachlorobenzeneContinuing calibration check standard GBE2736-CC2736, file BE54529, signal #1 for TCMX, Dieldrin exceed criteria (biased low). Dieldrin in associated sample is reported from signal #2Continuing calibration check standard GBE2736-CC2736, signal #1, file BE54541, BE54545 have some compounds exceed criteria (biased low) due to possible residual matrix interference. Confirmed by reanalysisMC49976-16,32,60,68,72,76 for Decachlorobiphenyl. Outside control limits due to possible matrix interferenceMC49976-24 for Decachlorobiphenyl. Outside control limits due to possible matrix interference. Sample results confirmed by reanalysis	

Extractables by GC By Method SW846 8082A

Matrix: SO	Batch ID: OP49566
<ul style="list-style-type: none">All samples were extracted within the recommended method holding timeAll samples were analyzed within the recommended method holding timeAll method blanks for this batch meet method specific criteria	

Extractables by GC By Method SW846 8151

Matrix: SO	Batch ID: N.OP1615
<ul style="list-style-type: none">Analysis performed at SGS Accutest, Dayton, NJ	
Matrix: SO	Batch ID: N.OP1744
<ul style="list-style-type: none">Analysis performed at SGS Accutest, Dayton, NJ	

Extractables by GC By Method SW846-8015

Matrix: SO	Batch ID: OP49565
<ul style="list-style-type: none">All samples were extracted within the recommended method holding timeAll samples were analyzed within the recommended method holding timeAll method blanks for this batch meet method specific criteria	

Tuesday, April 11, 2017

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Metals By Method SW846 6010C

Matrix: SO	Batch ID: N MP99632
Analysis performed at SGS Accutest, Dayton, NJ	
Matrix: SO	Batch ID: N MP99633
Analysis performed at SGS Accutest, Dayton, NJ	
Matrix: SO	Batch ID: N MP99640
Analysis performed at SGS Accutest, Dayton, NJ	
Matrix: SO	Batch ID: N MP99641
Analysis performed at SGS Accutest, Dayton, NJ	

Metals By Method SW846 7471B

Matrix: SO	Batch ID: N MP99635
Mercury: Analysis performed at SGS Accutest, Dayton, NJ	

Wet Chemistry By Method SM2510B-11M/SW9050AM

Matrix: SO	Batch ID: N GN61855
Specific Conductivity: Analysis performed at SGS Accutest, Dayton, NJ.	

Wet Chemistry By Method SM2540 G-97

Matrix: SO	Batch ID: N GN61794
Solids, Percent: Analysis performed at SGS Accutest, Dayton, NJ	
Matrix: SO	Batch ID: N GN61797
Solids, Percent: Analysis performed at SGS Accutest, Dayton, NJ	
Matrix: SO	Batch ID: N GN61798
Solids, Percent: Analysis performed at SGS Accutest, Dayton, NJ	
Matrix: SO	Batch ID: N GN61801
Solids, Percent: Analysis performed at SGS Accutest, Dayton, NJ.	
Matrix: SO	Batch ID: N GN61802
Solids, Percent: Analysis performed at SGS Accutest, Dayton, NJ	

Wet Chemistry By Method SW846 1010A/ASTM D93

Matrix: SO	Batch ID: N GN61883
Ignitability (Flashpoint): Analysis performed at SGS Accutest, Dayton, NJ	
Matrix: SO	Batch ID: N GN61962
Ignitability (Flashpoint): Analysis performed at SGS Accutest, Dayton, NJ	

Wet Chemistry By Method SW846 9045D

Matrix: SO	Batch ID: N GN61915
pH: Analysis performed at SGS Accutest, Dayton, NJ	

Wet Chemistry By Method SW846 CHAP7/9012 B

Matrix: SO	Batch ID: N GP4318
Cyanide Reactivity: Analysis performed at SGS Accutest, Dayton, NJ	
Matrix: SO	Batch ID: N GP4320
Cyanide Reactivity: Analysis performed at SGS Accutest, Dayton, NJ	

Wet Chemistry By Method SW846 CHAP7/9034

Matrix: SO	Batch ID: N GP4317
Sulfide Reactivity: Analysis performed at SGS Accutest, Dayton, NJ	
Matrix: SO	Batch ID: N GP4319
Sulfide Reactivity: Analysis performed at SGS Accutest, Dayton, NJ	

SGS-Accutest may not have met all requested limits due to methodology limitations, sample matrix, dilutions, or percent solids

SGS Accutest New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Laboratory Director for SGS Accutest New England or assignee as verified by the signature on the cover page has authorized the release of this report(MC49976)

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: SGS Accutest New England
Site: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somer
Job No MC49976
Report Date 4/10/2017 6:27:00 PM

On 03/30/2017, 76 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS Accutest at a maximum corrected temperature of 3.4 C. Samples were intact and chemically preserved, unless noted below. A SGS Accutest Job Number of MC49976 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.
Please refer to certification exceptions summary for additional certification information

Extractables by GC By Method SW846 8151

Matrix: SO	Batch ID: OP1615
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- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria
- MC49976-76 for 2,4-DCAA: High percent recoveries and no positive found in the sample.
- MC49976-56 for 2,4-DCAA: High percent recoveries and no positive found in the sample.
- MC49976-52 for 2,4-DCAA: High percent recoveries and no positive found in the sample.

Matrix: SO	Batch ID: OP1744
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- All samples were extracted within the recommended method holding time
- All method blanks for this batch meet method specific criteria
- OP1744-BSD for 2,4,5-T: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- OP1744-BS1 for 2,4,5-T: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

Metals By Method SW846 6010C

Matrix: SO	Batch ID: MP99632
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- All samples were digested within the recommended method holding time
- All method blanks for this batch meet method specific criteria
- Sample(s) MC49976-2SDL were used as the QC samples for metals
- RPD(s) for Serial Dilution for Arsenic, Cadmium, Selenium, Silver are outside control limits for sample MP99632-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL.)

Matrix: SO	Batch ID: MP99633
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- All samples were digested within the recommended method holding time
- All method blanks for this batch meet method specific criteria
- Sample(s) MC49976-22SDL were used as the QC samples for metals
- RPD(s) for Serial Dilution for Arsenic, Lead, Silver are outside control limits for sample MP99633-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL.)

Matrix: SO	Batch ID: MP99640
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- All samples were digested within the recommended method holding time
- All method blanks for this batch meet method specific criteria
- Sample(s) MC49976-41SDL were used as the QC samples for metals
- RPD(s) for Serial Dilution for Cadmium, Selenium are outside control limits for sample MP99640-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL.)

Matrix: SO	Batch ID: MP99641
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- All samples were digested within the recommended method holding time
- All method blanks for this batch meet method specific criteria
- Sample(s) MC49976-69SDL were used as the QC samples for metals
- RPD(s) for Serial Dilution for Cadmium, Selenium, Silver are outside control limits for sample MP99641-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL.)

Metals By Method SW846 7471B

Matrix: SO	Batch ID: MP99635
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- All samples were digested within the recommended method holding time
- All method blanks for this batch meet method specific criteria

Wet Chemistry By Method SM2510B-11M/SW9050AM

Matrix: SO	Batch ID: GN61855
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- The data for SM2510B-11M/SW9050AM meets quality control requirements

Wet Chemistry By Method SM2540 G-97

Matrix: SO	Batch ID: GN61794
• The data for SM2540 G-97 meets quality control requirements	
Matrix: SO	Batch ID: GN61797
• The data for SM2540 G-97 meets quality control requirements	
Matrix: SO	Batch ID: GN61798
• The data for SM2540 G-97 meets quality control requirements	
Matrix: SO	Batch ID: GN61801
• The data for SM2540 G-97 meets quality control requirements	
Matrix: SO	Batch ID: GN61802
• The data for SM2540 G-97 meets quality control requirements	

Wet Chemistry By Method SW846 1010A/ASTM D93

Matrix: SO	Batch ID: GN61883
• The data for SW846 1010A/ASTM D93 meets quality control requirements	
Matrix: SO	Batch ID: GN61962
• The data for SW846 1010A/ASTM D93 meets quality control requirements	

Wet Chemistry By Method SW846 9045D

Matrix: SO	Batch ID: GN61915
• The data for SW846 9045D meets quality control requirements	

Wet Chemistry By Method SW846 CHAP7/9012 B

Matrix: SO	Batch ID: GP4318
• All samples were prepared within the recommended method holding time	
• All method blanks for this batch meet method specific criteria	
Matrix: SO	Batch ID: GP4320
• All samples were prepared within the recommended method holding time	
• All method blanks for this batch meet method specific criteria	

Wet Chemistry By Method SW846 CHAP7/9034

Matrix: SO	Batch ID: GP4317
• All samples were prepared within the recommended method holding time	
• All method blanks for this batch meet method specific criteria	
Matrix: SO	Batch ID: GP4319
• All samples were prepared within the recommended method holding time	
• All method blanks for this batch meet method specific criteria	

SGS Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria

SGS Accutest is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS Accutest indicated via signature on the report cover

Summary of Hits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC49976-1	PC-1 0-5'					
Lead ^a		86.9	2.3		mg/kg	SW846 6010C
MC49976-2	PC-1 5-10'					
Lead ^a		17.7	2.1		mg/kg	SW846 6010C
MC49976-3	PC-1 10-15'					
Lead ^a		9.6	2.4		mg/kg	SW846 6010C
MC49976-4	PC-1 0-15' COMP					
Acetone ^b		0.0542	0.011		mg/kg	SW846 8260C
Naphthalene		0.0162	0.0056		mg/kg	SW846 8260C
Acenaphthene		1.10	0.11		mg/kg	SW846 8270D
Acenaphthylene		0.705	0.11		mg/kg	SW846 8270D
Anthracene		5.00	0.11		mg/kg	SW846 8270D
Benzo(a)anthracene		11.6	0.57		mg/kg	SW846 8270D
Benzo(a)pyrene		9.02	0.28		mg/kg	SW846 8270D
Benzo(b)fluoranthene		9.00	0.11		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		4.92	0.11		mg/kg	SW846 8270D
Benzo(k)fluoranthene		5.68	0.11		mg/kg	SW846 8270D
Chrysene		10.2	0.57		mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		2.06	0.11		mg/kg	SW846 8270D
Dibenzofuran		1.06	0.11		mg/kg	SW846 8270D
Fluoranthene		27.8	0.57		mg/kg	SW846 8270D
Fluorene		1.71	0.11		mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		5.73	0.28		mg/kg	SW846 8270D
2-Methylnaphthalene		0.249	0.11		mg/kg	SW846 8270D
Naphthalene		0.517	0.11		mg/kg	SW846 8270D
Phenanthrene		20.8	0.57		mg/kg	SW846 8270D
Pyrene		21.9	0.57		mg/kg	SW846 8270D
TPH-DRO (Semi-VOA)		197	19		mg/kg	SW846-8015
Arsenic ^a		3.2	2.3		mg/kg	SW846 6010C
Barium ^a		54.1	5.8		mg/kg	SW846 6010C
Chromium ^a		23.9	1.2		mg/kg	SW846 6010C
Lead ^a		46.3	2.3		mg/kg	SW846 6010C
Silver ^a		0.96	0.58		mg/kg	SW846 6010C
Ignitability (Flashpoint) ^a		>200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity ^a		195	7.5		umhos/cm	SM2510B-11M/SW9050AM
pH ^a		7.56			su	SW846 9045D

Summary of Hits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC49976-5	PC-2 0-5'					
Lead ^a		23.9	2.4		mg/kg	SW846 6010C
MC49976-6	PC-2 5-10'					
Lead ^a		6.4	2.3		mg/kg	SW846 6010C
MC49976-7	PC-2 10-15'					
Lead ^a		11.2	2.4		mg/kg	SW846 6010C
MC49976-8	PC-2 0-15' COMP					
Acetone ^b		0.0284	0.012		mg/kg	SW846 8260C
Anthracene		0.209	0.12		mg/kg	SW846 8270D
Benzo(a)anthracene		0.628	0.12		mg/kg	SW846 8270D
Benzo(a)pyrene		0.580	0.30		mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.436	0.12		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.361	0.12		mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.500	0.12		mg/kg	SW846 8270D
Chrysene		0.542	0.12		mg/kg	SW846 8270D
Fluoranthene		1.27	0.12		mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.394	0.30		mg/kg	SW846 8270D
Phenanthrene		0.781	0.12		mg/kg	SW846 8270D
Pyrene		1.17	0.12		mg/kg	SW846 8270D
TPH DRO (Semi-VOA)		26.5	19		mg/kg	SW846 8015
Arsenic ^a		5.8	2.5		mg/kg	SW846 6010C
Barium ^a		31.9	6.3		mg/kg	SW846 6010C
Chromium ^a		18.5	1.3		mg/kg	SW846 6010C
Lead ^a		8.7	2.5		mg/kg	SW846 6010C
Silver ^a		0.71	0.63		mg/kg	SW846 6010C
Ignitability (Flashpoint) ^a		>200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity ^a		144	7.5		umhos/cm	SM2510B-11M/SW9050AM
pH ^a		7.60			su	SW846 9045D
MC49976-9	PC-3 0-5'					
Lead ^a		20.1	2.2		mg/kg	SW846 6010C
MC49976-10	PC-3 5-10'					
Lead ^a		8.6	2.2		mg/kg	SW846 6010C

Summary of Hits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

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Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC49976-11	PC-3 10-15'	11.3	2.6		mg/kg	SW846 6010C
Lead ^a						
MC49976-12	PC-3 0-15' COMP					
Acetone ^b		0.0407	0.010		mg/kg	SW846 8260C
Ethylbenzene		0.0027	0.0021		mg/kg	SW846 8260C
m,p-Xylene		0.0144	0.0021		mg/kg	SW846 8260C
o-Xylene		0.0067	0.0021		mg/kg	SW846 8260C
Xylene (total)		0.0211	0.0021		mg/kg	SW846 8260C
Acenaphthylene		0.127	0.11		mg/kg	SW846 8270D
Anthracene		0.300	0.11		mg/kg	SW846 8270D
Benzo(a)anthracene		1.31	0.11		mg/kg	SW846 8270D
Benzo(a)pyrene		1.27	0.29		mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.944	0.11		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.709	0.11		mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.939	0.11		mg/kg	SW846 8270D
Chrysene		1.13	0.11		mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.191	0.11		mg/kg	SW846 8270D
Fluoranthene		2.43	0.11		mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.762	0.29		mg/kg	SW846 8270D
Phenanthrene		1.04	0.11		mg/kg	SW846 8270D
Pyrene		2.49	0.11		mg/kg	SW846 8270D
TPH-DRO (Semi VOA)		135	19		mg/kg	SW846-8015
Arsenic ^a		7.1	2.3		mg/kg	SW846 6010C
Barium ^a		66.6	5.7		mg/kg	SW846 6010C
Chromium ^a		27.1	1.1		mg/kg	SW846 6010C
Lead ^a		44.7	2.3		mg/kg	SW846 6010C
Silver ^a		0.85	0.57		mg/kg	SW846 6010C
Ignitability (Flashpoint) ^a		>200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity ^a		241	7.5		umhos/cm	SM2510B-11M/SW9050AM
pH ^a		8.72			su	SW846 9045D
MC49976-13	PC-4 0-5'					
Lead ^a		99.9	2.2		mg/kg	SW846 6010C
MC49976-14	PC-4 5-10'					
Lead ^a		22.7	2.4		mg/kg	SW846 6010C
MC49976-15	PC-4 10-15'					
Lead ^a		16.8	2.8		mg/kg	SW846 6010C

Summary of Hits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

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Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC49976-16	PC-4 0-15' COMP					
Acetone ^b		0.0800	0.013		mg/kg	SW846 8260C
Acenaphthene		0.907	0.12		mg/kg	SW846 8270D
Acenaphthylene		2.65	0.12		mg/kg	SW846 8270D
Anthracene		5.50	0.12		mg/kg	SW846 8270D
Benzo(a)anthracene		10.8	0.61		mg/kg	SW846 8270D
Benzo(a)pyrene		7.70	0.30		mg/kg	SW846 8270D
Benzo(b)fluoranthene		7.33	0.12		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		3.81	0.12		mg/kg	SW846 8270D
Benzo(k)fluoranthene		5.68	0.12		mg/kg	SW846 8270D
Chrysene		10.0	0.61		mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		1.57	0.12		mg/kg	SW846 8270D
Dibenzofuran		2.12	0.12		mg/kg	SW846 8270D
Fluoranthene		29.4	0.61		mg/kg	SW846 8270D
Fluorene		4.59	0.12		mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		4.71	0.30		mg/kg	SW846 8270D
2-Methylnaphthalene		0.463	0.12		mg/kg	SW846 8270D
Naphthalene		0.259	0.12		mg/kg	SW846 8270D
Phenanthrene		33.5	0.61		mg/kg	SW846 8270D
Pyrene		23.0	0.61		mg/kg	SW846 8081B
4,4'-DDT		0.0103	0.0061		mg/kg	SW846-8015
TPH-DRO (Semi VOA)		207	20		mg/kg	SW846 6010C
Arsenic ^a		10.4	2.7		mg/kg	SW846 6010C
Barium ^a		100	6.7		mg/kg	SW846 6010C
Chromium ^a		36.6	1.3		mg/kg	SW846 6010C
Lead ^a		63.5	2.7		mg/kg	SW846 6010C
Mercury ^a		0.058	0.039		mg/kg	SW846 7471B
Silver ^a		0.75	0.67		mg/kg	SW846 6010C
Ignitability (Flashpoint) ^a		>200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity ^a		367	7.5		umhos/cm	SM2510B-11M/SW9050AM
pH ^a		8.10			su	SW846 9045D
MC49976-17	PC-5 0-5'					
Lead ^a		128	2.3		mg/kg	SW846 6010C
MC49976-18	PC-5 5-10'					
Lead ^a		13.2	2.5		mg/kg	SW846 6010C
MC49976-19	PC-5 10-15'					
Lead ^a		16.9	2.4		mg/kg	SW846 6010C

Summary of Hits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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MC49976-20 PC-5 0-15' COMP

Acetone ^b		0.0375	0.012		mg/kg	SW846 8260C
Ethylbenzene		0.0031	0.0023		mg/kg	SW846 8260C
m,p Xylene		0.0159	0.0023		mg/kg	SW846 8260C
o-Xylene		0.0066	0.0023		mg/kg	SW846 8260C
Xylene (total)		0.0225	0.0023		mg/kg	SW846 8260C
Acenaphthene		0.184	0.12		mg/kg	SW846 8270D
Acenaphthylene		0.485	0.12		mg/kg	SW846 8270D
Anthracene		0.529	0.12		mg/kg	SW846 8270D
Benzo(a)anthracene		2.17	0.12		mg/kg	SW846 8270D
Benzo(a)pyrene		2.04	0.30		mg/kg	SW846 8270D
Benzo(b)fluoranthene		1.74	0.12		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		1.24	0.12		mg/kg	SW846 8270D
Benzo(k)fluoranthene		1.74	0.12		mg/kg	SW846 8270D
Chrysene		2.16	0.12		mg/kg	SW846 8270D
Dibenz(a,h)anthracene		0.426	0.12		mg/kg	SW846 8270D
Dibenzofuran		0.128	0.12		mg/kg	SW846 8270D
Fluoranthene		4.11	0.12		mg/kg	SW846 8270D
Fluorene		0.194	0.12		mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		1.39	0.30		mg/kg	SW846 8270D
Phenanthrene		2.40	0.12		mg/kg	SW846 8270D
Pyrene		3.91	0.12		mg/kg	SW846 8270D
TPH-DRO (Semi-VOA)		58.4	20		mg/kg	SW846-8015
Arsenic ^a		12.4	2.6		mg/kg	SW846 6010C
Barium ^a		103	6.4		mg/kg	SW846 6010C
Chromium ^a		40.6	1.3		mg/kg	SW846 6010C
Lead ^a		56.6	2.6		mg/kg	SW846 6010C
Mercury ^a		0.51	0.039		mg/kg	SW846 7471B
Ignitability (Flashpoint) ^a		> 200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity ^a		812	7.5		umhos/cm	SM2510B 11M/SW9050AM
pH ^a		7.88			su	SW846 9045D

MC49976-21 PC-6 0-5'

Lead ^a		67.4	2.3		mg/kg	SW846 6010C
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MC49976-22 PC-6 5-10'

Lead ^a		2.5	2.0		mg/kg	SW846 6010C
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MC49976-23 PC-6 10-15'

Lead ^a		10	2.4		mg/kg	SW846 6010C
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Summary of Hits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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MC49976-24 PC-6 0-15' COMP

Naphthalene		0.0339	0.0054		mg/kg	SW846 8260C
Acenaphthene		0.692	0.11		mg/kg	SW846 8270D
Acenaphthylene		1.09	0.11		mg/kg	SW846 8270D
Anthracene		2.30	0.11		mg/kg	SW846 8270D
Benzo(a)anthracene		7.67	0.11		mg/kg	SW846 8270D
Benzo(a)pyrene		8.75	0.28		mg/kg	SW846 8270D
Benzo(b)fluoranthene		8.03	0.11		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		5.18	0.11		mg/kg	SW846 8270D
Benzo(k)fluoranthene		4.56	0.11		mg/kg	SW846 8270D
Chrysene		8.43	0.11		mg/kg	SW846 8270D
Dibenz(a,h)anthracene		1.49	0.11		mg/kg	SW846 8270D
Fluoranthene		21.6	0.56		mg/kg	SW846 8270D
Fluorene		0.866	0.11		mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		5.47	0.28		mg/kg	SW846 8270D
2 Methyl naphthalene		0.329	0.11		mg/kg	SW846 8270D
Naphthalene		0.706	0.11		mg/kg	SW846 8270D
Phenanthrene		15.1	0.56		mg/kg	SW846 8270D
Pyrene		20.0	0.56		mg/kg	SW846 8270D
4,4'-DDT		0.0449	0.0056		mg/kg	SW846 8081B
TPH-DRO (Semi-VOA)		423	19		mg/kg	SW846-8015
Arsenic ^a		4.3	2.4		mg/kg	SW846 6010C
Barium ^a		58.0	5.9		mg/kg	SW846 6010C
Chromium ^a		17.7	1.2		mg/kg	SW846 6010C
Lead ^a		24.2	2.4		mg/kg	SW846 6010C
Ignitability (Flashpoint) ^a		> 200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity ^a		169	7.5		umhos/cm	SM2510B 11M/SW9050AM
pH ^a		7.33			su	SW846 9045D

MC49976-25 PC-7 0-5'

Lead ^a		156	2.4		mg/kg	SW846 6010C
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MC49976-26 PC-7 5-10'

Lead ^a		4.2	2.2		mg/kg	SW846 6010C
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MC49976-27 PC-7 10-15'

Lead ^a		5.7	2.3		mg/kg	SW846 6010C
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Summary of Hits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

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Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC49976-28	PC-7 0-15' COMP					
Acetone ^c		0.0242	0.011		mg/kg	SW846 8260C
Fluoranthene		0.254	0.12		mg/kg	SW846 8270D
Phenanthrene		0.136	0.12		mg/kg	SW846 8270D
Pyrene		0.238	0.12		mg/kg	SW846 8270D
Arsenic ^a		9.2	2.4		mg/kg	SW846 6010C
Barium ^a		56.2	6.0		mg/kg	SW846 6010C
Chromium ^a		23.0	1.2		mg/kg	SW846 6010C
Lead ^a		40.7	2.4		mg/kg	SW846 6010C
Mercury ^a		0.099	0.037		mg/kg	SW846 7471B
Silver ^a		2.5	0.60		mg/kg	SW846 6010C
Ignitability (Flashpoint) ^a		> 200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity ^a		311	7.5		umhos/cm	SM2510B-11M/SW9050AM
pH ^a		7.83			su	SW846 9045D
MC49976-29	PC-8 0-5'					
Lead ^a		104	2.6		mg/kg	SW846 6010C
MC49976-30	PC-8 5-10'					
Lead ^a		2.9	2.2		mg/kg	SW846 6010C
MC49976-31	PC-8 10-15'					
Lead ^a		12.9	2.5		mg/kg	SW846 6010C
MC49976-32	PC-8 0-15' COMP					
Acetone ^c		0.0235	0.010		mg/kg	SW846 8260C
Acenaphthene		0.213	0.11		mg/kg	SW846 8270D
Anthracene		0.490	0.11		mg/kg	SW846 8270D
Benzo(a)anthracene		1.32	0.11		mg/kg	SW846 8270D
Benzo(a)pyrene		1.27	0.28		mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.981	0.11		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.700	0.11		mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.979	0.11		mg/kg	SW846 8270D
Chrysene		1.22	0.11		mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.235	0.11		mg/kg	SW846 8270D
Dibenzofuran		0.113	0.11		mg/kg	SW846 8270D
Fluoranthene		2.94	0.11		mg/kg	SW846 8270D
Fluorene		0.158	0.11		mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.812	0.28		mg/kg	SW846 8270D
Phenanthrene		2.29	0.11		mg/kg	SW846 8270D

Summary of Hits

Job Number: MC49976
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Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Pyrene		2.74	0.11		mg/kg	SW846 8270D
4,4'-DDT		0.0067	0.0057		mg/kg	SW846 8081B
TPH-DRO (Semi-VOA)		18.8	18		mg/kg	SW846-8015
Arsenic ^a		9.0	2.2		mg/kg	SW846 6010C
Barium ^a		51.5	5.5		mg/kg	SW846 6010C
Chromium ^a		23.4	1.1		mg/kg	SW846 6010C
Lead ^a		40.2	2.2		mg/kg	SW846 6010C
Mercury ^a		0.14	0.035		mg/kg	SW846 7471B
Silver ^a		2.4	0.55		mg/kg	SW846 6010C
Ignitability (Flashpoint) ^a		>200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity ^a		285	7.5		umhos/cm	SM2510B-11M/SW9050AM
pH ^a		7.89			su	SW846 9045D
MC49976-33	PC-9 0-5'					
Lead ^a		26.2	2.2		mg/kg	SW846 6010C
MC49976-34	PC-9 5-10'					
Lead ^a		28.2	2.5		mg/kg	SW846 6010C
MC49976-35	PC-9 10-15'					
Lead ^a		11.5	2.6		mg/kg	SW846 6010C
MC49976-36	PC-9 0-15' COMP					
Anthracene		0.122	0.12		mg/kg	SW846 8270D
Benzo(a)anthracene		0.413	0.12		mg/kg	SW846 8270D
Benzo(a)pyrene		0.430	0.29		mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.368	0.12		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.303	0.12		mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.355	0.12		mg/kg	SW846 8270D
Chrysene		0.398	0.12		mg/kg	SW846 8270D
Fluoranthene		0.712	0.12		mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.309	0.29		mg/kg	SW846 8270D
Phenanthrene		0.388	0.12		mg/kg	SW846 8270D
Pyrene		0.725	0.12		mg/kg	SW846 8270D
TPH DRO (Semi VOA)		39.3	19		mg/kg	SW846 8015
Arsenic ^a		14.4	2.4		mg/kg	SW846 6010C
Barium ^a		86.8	6.1		mg/kg	SW846 6010C
Chromium ^a		28.9	1.2		mg/kg	SW846 6010C
Lead ^a		31.6	2.4		mg/kg	SW846 6010C
Mercury ^a		3.3	0.18		mg/kg	SW846 7471B
Silver ^a		2.6	0.61		mg/kg	SW846 6010C

Summary of Hits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Ignitability (Flashpoint) ^a	PC-10 0-5'	> 200	7.5		Deg. F	SW846 1010A/ASTM D93
Specific Conductivity ^a		282			umhos/cm	SM2510B 11M/SW9050AM
pH ^a		8.06			su	SW846 9045D
MC49976-37	PC-10 0-5'					
Lead ^a		28.6	2.3		mg/kg	SW846 6010C
MC49976-38	PC-10 5-10'					
Lead ^a		8.7	2.5		mg/kg	SW846 6010C
MC49976-39	PC-10 10-15'					
Lead ^a		12.2	2.6		mg/kg	SW846 6010C
MC49976-40	PC-10 0-15' COMP					
Acetone ^c		0.0445	0.011		mg/kg	SW846 8260C
Acenaphthylene		0.401			mg/kg	SW846 8270D
Anthracene		0.369			mg/kg	SW846 8270D
Benzo(a)anthracene		1.29			mg/kg	SW846 8270D
Benzo(a)pyrene		1.31			mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.999			mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.788			mg/kg	SW846 8270D
Benzo(k)fluoranthene		1.08			mg/kg	SW846 8270D
Chrysene		1.18			mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.255			mg/kg	SW846 8270D
Fluoranthene		2.21			mg/kg	SW846 8270D
Fluorene		0.142			mg/kg	SW846 8270D
Indeno(1,2,3 cd)pyrene		0.881			mg/kg	SW846 8270D
Phenanthrene		1.12			mg/kg	SW846 8270D
Pyrene		1.99			mg/kg	SW846 8270D
TPH-DRO (Semi-VOA)		52.2			mg/kg	SW846-8015
Arsenic ^a		11.3			mg/kg	SW846 6010C
Barium ^a		105			mg/kg	SW846 6010C
Chromium ^a		45.5			mg/kg	SW846 6010C
Lead ^a		19.0			mg/kg	SW846 6010C
Mercury ^a		0.084			mg/kg	SW846 7471B
Silver ^a		2.7			mg/kg	SW846 6010C
Ignitability (Flashpoint) ^a	PC-10 0-15' COMP	> 200	7.5		Deg. F	SW846 1010A/ASTM D93
Specific Conductivity ^a		172			umhos/cm	SM2510B 11M/SW9050AM
pH ^a		7.67			su	SW846 9045D

Summary of Hits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
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Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC49976-41	PC-11 0-5'					
Lead ^a		15.4	2.2		mg/kg	SW846 6010C
MC49976-42	PC-11 5-10'					
Lead ^a		10.5	2.5		mg/kg	SW846 6010C
MC49976-43	PC-11 10-15'					
Lead ^a		7.4	2.3		mg/kg	SW846 6010C
MC49976-44	PC-11 0-15' COMP					
Acetone ^c		0.0338	0.012		mg/kg	SW846 8260C
Benzo(a)anthracene		0.123			mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.117			mg/kg	SW846 8270D
Chrysene		0.118			mg/kg	SW846 8270D
Fluoranthene		0.115			mg/kg	SW846 8270D
Pyrene		0.123			mg/kg	SW846 8270D
TPH-DRO (Semi VOA)		36.3			mg/kg	SW846-8015
Arsenic ^a		3.2			mg/kg	SW846 6010C
Barium ^a		28.1			mg/kg	SW846 6010C
Chromium ^a		12.9			mg/kg	SW846 6010C
Lead ^a		17.9			mg/kg	SW846 6010C
Mercury ^a		0.045			mg/kg	SW846 7471B
Ignitability (Flashpoint) ^a		> 200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity ^a		156			umhos/cm	SM2510B 11M/SW9050AM
pH ^a		6.20			su	SW846 9045D
MC49976-45	PC-12 0-5'					
Lead ^a		138	2.3		mg/kg	SW846 6010C
MC49976-46	PC-12 5-10'					
Lead ^a		488	2.3		mg/kg	SW846 6010C
MC49976-47	PC-12 10-15'					
Lead ^a		4.1	2.2		mg/kg	SW846 6010C
MC49976-48	PC-12 0-15' COMP					
Acetone ^c		0.113	0.011		mg/kg	SW846 8260C

Summary of Hits

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Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Chrysene	PC-13 0-5'	0.115	0.11		mg/kg	SW846 8270D
Fluoranthene		0.222	0.11		mg/kg	SW846 8270D
Phenanthrene		0.127	0.11		mg/kg	SW846 8270D
Pyrene		0.209	0.11		mg/kg	SW846 8270D
TPH-DRO (Semi-VOA)		50.0	19		mg/kg	SW846 8015
Arsenic ^a		7.2	2.3		mg/kg	SW846 6010C
Barium ^a		61.7	5.7		mg/kg	SW846 6010C
Cadmium ^a		0.77	0.57		mg/kg	SW846 6010C
Chromium ^a		13.9	1.1		mg/kg	SW846 6010C
Lead ^a		238	2.3		mg/kg	SW846 6010C
Mercury ^a	PC-13 5-10'	0.17	0.038		mg/kg	SW846 7471B
Ignitability (Flashpoint) ^a		>200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity ^a		330	7.5		umhos/cm	SM2510B-11M/SW9050AM
pH ^a		7.59			su	SW846 9045D
MC49976-49	PC-13 0-5'					
Lead ^a		340	2.5		mg/kg	SW846 6010C
MC49976-50	PC-13 5-10'					
Lead ^a		62.3	3.2		mg/kg	SW846 6010C
MC49976-51	PC-13 10-15'					
Lead ^a		4.8	2.2		mg/kg	SW846 6010C
MC49976-52	PC-13 0-15' COMP					
m,p-Xylene		0.0039	0.0023		mg/kg	SW846 8260C
Xylene (total)		0.0055	0.0023		mg/kg	SW846 8260C
Anthracene		0.133	0.12		mg/kg	SW846 8270D
Benzo(a)anthracene		0.512	0.12		mg/kg	SW846 8270D
Benzo(a)pyrene		0.539	0.29		mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.413	0.12		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.304	0.12		mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.416	0.12		mg/kg	SW846 8270D
Chrysene		0.509	0.12		mg/kg	SW846 8270D
Fluoranthene		1.02	0.12		mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.335	0.29		mg/kg	SW846 8270D
Phenanthrene		0.579	0.12		mg/kg	SW846 8270D
Pyrene		0.955	0.12		mg/kg	SW846 8270D
TPH DRO (Semi VOA)		41.9	19		mg/kg	SW846 8015
Arsenic ^a		3.5	2.3		mg/kg	SW846 6010C
Barium ^a		36.5	5.8		mg/kg	SW846 6010C

Summary of Hits

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Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Chromium ^a	PC-14 0-5'	12.6	1.2		mg/kg	SW846 6010C
Lead ^a		71.7	2.3		mg/kg	SW846 6010C
Mercury ^a		0.60	0.036		mg/kg	SW846 7471B
Ignitability (Flashpoint) ^a		> 200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity ^a		1360	7.5		umhos/cm	SM2510B-11M/SW9050AM
pH ^a		6.38			su	SW846 9045D
MC49976-53	PC-14 0-5'					
Lead ^a		23.9	2.2		mg/kg	SW846 6010C
MC49976-54	PC-14 5-10'					
Lead ^a		59.8	2.4		mg/kg	SW846 6010C
MC49976-55	PC-14 10-15'					
Lead ^a		2.4	2.3		mg/kg	SW846 6010C
MC49976-56	PC-14 0-15' COMP					
Acetone ^c		0.0377	0.011		mg/kg	SW846 8260C
m,p-Xylene		0.0063	0.0023		mg/kg	SW846 8260C
o-Xylene		0.0026	0.0023		mg/kg	SW846 8260C
Xylene (total)		0.0089	0.0023		mg/kg	SW846 8260C
Anthracene		0.154	0.11		mg/kg	SW846 8270D
Benzo(a)anthracene		0.384	0.11		mg/kg	SW846 8270D
Benzo(a)pyrene		0.384	0.28		mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.283	0.11		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.217	0.11		mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.291	0.11		mg/kg	SW846 8270D
Chrysene		0.348	0.11		mg/kg	SW846 8270D
Fluoranthene		0.882	0.11		mg/kg	SW846 8270D
Phenanthrene		0.624	0.11		mg/kg	SW846 8270D
Pyrene		0.759	0.11		mg/kg	SW846 8270D
TPH-DRO (Semi-VOA)		33.3	19		mg/kg	SW846-8015
Arsenic ^a		2.5	2.4		mg/kg	SW846 6010C
Barium ^a		16.3	5.9		mg/kg	SW846 6010C
Chromium ^a		8.2	1.2		mg/kg	SW846 6010C
Lead ^a		22.8	2.4		mg/kg	SW846 6010C
Mercury ^a		0.11	0.035		mg/kg	SW846 7471B
Ignitability (Flashpoint) ^a		> 200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity ^a		240	7.5		umhos/cm	SM2510B-11M/SW9050AM
pH ^a		7.28			su	SW846 9045D

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Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC49976-57	PC-15 0-5'					
Lead ^a		197	2.5		mg/kg	SW846 6010C
MC49976-58	PC-15 5-10'					
Lead ^a		9.7	2.5		mg/kg	SW846 6010C
MC49976-59	PC-15 10-15'					
Lead ^a		3.2	2.2		mg/kg	SW846 6010C
MC49976-60	PC-15 0-15' COMP					
m,p-Xylene		0.0045	0.0027		mg/kg	SW846 8260C
Xylene (total)		0.0063	0.0027		mg/kg	SW846 8260C
Acenaphthene		0.756	0.11		mg/kg	SW846 8270D
Anthracene		1.75	0.11		mg/kg	SW846 8270D
Benzo(a)anthracene		4.83	0.11		mg/kg	SW846 8270D
Benzo(a)pyrene		5.22	0.29		mg/kg	SW846 8270D
Benzo(b)fluoranthene		4.09	0.11		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		2.86	0.11		mg/kg	SW846 8270D
Benzo(k)fluoranthene		3.45	0.11		mg/kg	SW846 8270D
Chrysene		4.65	0.11		mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		1.05	0.11		mg/kg	SW846 8270D
Dibenzofuran		0.294	0.11		mg/kg	SW846 8270D
Fluoranthene		10.7	0.57		mg/kg	SW846 8270D
Fluorene		0.537	0.11		mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		3.21	0.29		mg/kg	SW846 8270D
2-Methylnaphthalene		0.133	0.11		mg/kg	SW846 8270D
Naphthalene		0.158	0.11		mg/kg	SW846 8270D
Phenanthrene		7.19	0.11		mg/kg	SW846 8270D
Pyrene		10.1	0.57		mg/kg	SW846 8270D
TPH-DRO (Semi-VOA)		976	19		mg/kg	SW846-8015
Arsenic ^a		5.4	2.3		mg/kg	SW846 6010C
Barium ^a		59.1	5.9		mg/kg	SW846 6010C
Chromium ^a		20.1	1.2		mg/kg	SW846 6010C
Lead ^a		72.6	2.3		mg/kg	SW846 6010C
Mercury ^a		0.20	0.036		mg/kg	SW846 7471B
Ignitability (Flashpoint) ^a		>200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity ^a		330	7.5		umhos/cm	SM2510B-11M/SW9050AM
pH ^a		7.51			su	SW846 9045D

Summary of Hits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

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Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC49976-61	PC-16A 0-5'					
Lead ^a		1270	4.7		mg/kg	SW846 6010C
MC49976-62	PC-16B 0-5'					
Lead ^a		1190	4.8		mg/kg	SW846 6010C
MC49976-63	PC-16C 0-5'					
Lead ^a		70.0	2.5		mg/kg	SW846 6010C
MC49976-64	PC-16 0-5' COMP					
Acetone ^c		0.0587	0.012		mg/kg	SW846 8260C
Ethylbenzene		0.0240	0.0025		mg/kg	SW846 8260C
m,p-Xylene		0.121	0.0025		mg/kg	SW846 8260C
o-Xylene		0.0344	0.0025		mg/kg	SW846 8260C
Xylene (total)		0.155	0.0025		mg/kg	SW846 8260C
Benzo(a)anthracene		0.314	0.12		mg/kg	SW846 8270D
Benzo(a)pyrene		0.374	0.29		mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.297	0.12		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.256	0.12		mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.295	0.12		mg/kg	SW846 8270D
Chrysene		0.349	0.12		mg/kg	SW846 8270D
Fluoranthene		0.541	0.12		mg/kg	SW846 8270D
Phenanthrene		0.409	0.12		mg/kg	SW846 8270D
Pyrene		0.528	0.12		mg/kg	SW846 8270D
TPH-DRO (Semi-VOA)		59.0	19		mg/kg	SW846-8015
Arsenic ^a		10.7	2.5		mg/kg	SW846 6010C
Barium ^a		131	6.1		mg/kg	SW846 6010C
Chromium ^a		25.9	1.2		mg/kg	SW846 6010C
Lead ^a		516	2.5		mg/kg	SW846 6010C
Mercury ^a		0.40	0.038		mg/kg	SW846 7471B
Ignitability (Flashpoint) ^a		>200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity ^a		113	7.5		umhos/cm	SM2510B-11M/SW9050AM
pH ^a		6.22			su	SW846 9045D
MC49976-65	PC-17A 0-5'					
Lead ^a		31.4	2.2		mg/kg	SW846 6010C
MC49976-66	PC-17B 0-5'					
Lead ^a		44.1	2.2		mg/kg	SW846 6010C

Summary of Hits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC49976-67	PC-17C 0-5'	25.6	2.4		mg/kg	SW846 6010C
Lead ^a						
MC49976-68	PC-17 0-5' COMP					
Acetone ^c		0.0686	0.012		mg/kg	SW846 8260C
Naphthalene		0.0117	0.0058		mg/kg	SW846 8260C
Acenaphthene		0.713	0.11		mg/kg	SW846 8270D
Acenaphthylene		0.140	0.11		mg/kg	SW846 8270D
Anthracene		1.43	0.11		mg/kg	SW846 8270D
Benzo(a)anthracene		3.28	0.11		mg/kg	SW846 8270D
Benzo(a)pyrene		3.40	0.29		mg/kg	SW846 8270D
Benzo(b)fluoranthene		2.73	0.11		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		1.72	0.11		mg/kg	SW846 8270D
Benzo(k)fluoranthene		2.37	0.11		mg/kg	SW846 8270D
Chrysene		3.10	0.11		mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.651	0.11		mg/kg	SW846 8270D
Dibenzofuran		0.368	0.11		mg/kg	SW846 8270D
Fluoranthene		6.60	0.11		mg/kg	SW846 8270D
Fluorene		0.575	0.11		mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		1.88	0.29		mg/kg	SW846 8270D
2 Methylnaphthalene		0.218	0.11		mg/kg	SW846 8270D
Naphthalene		0.264	0.11		mg/kg	SW846 8270D
Phenanthrene		5.65	0.11		mg/kg	SW846 8270D
Pyrene		6.29	0.11		mg/kg	SW846 8270D
4,4'-DDT		0.0082	0.0056		mg/kg	SW846 8081B
TPH-DRO (Semi-VOA)		183	18		mg/kg	SW846 8015
Arsenic ^a		6.1	2.3		mg/kg	SW846 6010C
Barium ^a		36.9	5.8		mg/kg	SW846 6010C
Chromium ^a		14.6	1.2		mg/kg	SW846 6010C
Lead ^a		53.6	2.3		mg/kg	SW846 6010C
Mercury ^a		0.11	0.039		mg/kg	SW846 7471B
Ignitability (Flashpoint) ^a		>200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity ^a		157	7.5		umhos/cm	SM2510B 11M/SW9050AM
pH ^a		6.89			su	SW846 9045D
MC49976-69	PC-18A 0-5'					
Lead ^a		62.9	2.4		mg/kg	SW846 6010C
MC49976-70	PC-18B 0-5'					
Lead ^a		293	2.2		mg/kg	SW846 6010C

Summary of Hits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC49976-71	PC-18C 0-5'	64.6	2.4		mg/kg	SW846 6010C
Lead ^a						
MC49976-72	PC-18 0-5' COMP					
Naphthalene		0.0093	0.0055		mg/kg	SW846 8260C
Acenaphthene		1.31	0.11		mg/kg	SW846 8270D
Acenaphthylene		0.577	0.11		mg/kg	SW846 8270D
Anthracene		4.08	0.11		mg/kg	SW846 8270D
Benzo(a)anthracene		7.62	0.11		mg/kg	SW846 8270D
Benzo(a)pyrene		7.01	0.27		mg/kg	SW846 8270D
Benzo(b)fluoranthene		6.39	0.11		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		3.25	0.11		mg/kg	SW846 8270D
Benzo(k)fluoranthene		4.81	0.11		mg/kg	SW846 8270D
Chrysene		6.88	0.11		mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		1.25	0.11		mg/kg	SW846 8270D
Dibenzofuran		0.959	0.11		mg/kg	SW846 8270D
Fluoranthene		19.1	0.55		mg/kg	SW846 8270D
Fluorene		1.51	0.11		mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		3.74	0.27		mg/kg	SW846 8270D
2 Methylnaphthalene		0.384	0.11		mg/kg	SW846 8270D
Naphthalene		0.802	0.11		mg/kg	SW846 8270D
Phenanthrene		14.9	0.55		mg/kg	SW846 8270D
Pyrene		15.7	0.55		mg/kg	SW846 8270D
4,4'-DDT		0.0163	0.0056		mg/kg	SW846 8081B
TPH-DRO (Semi-VOA)		311	18		mg/kg	SW846 8015
Arsenic ^a		7.0	2.3		mg/kg	SW846 6010C
Barium ^a		103	5.7		mg/kg	SW846 6010C
Chromium ^a		11.3	1.1		mg/kg	SW846 6010C
Lead ^a		96.2	2.3		mg/kg	SW846 6010C
Mercury ^a		0.038	0.036		mg/kg	SW846 7471B
Ignitability (Flashpoint) ^a		>200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity ^a		326	7.5		umhos/cm	SM2510B 11M/SW9050AM
pH ^a		7.77			su	SW846 9045D
MC49976-73	PC-19A 0-5'					
Lead ^a		85.4	2.3		mg/kg	SW846 6010C
MC49976-74	PC-19B 0-5'					
Lead ^a		471	2.4		mg/kg	SW846 6010C

Summary of Hits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

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ACCUTEST
New England

Section 4

Lab Sample ID	Client Sample ID	Result/Qual	RL	MDL	Units	Method
MC49976-75	PC-19C 0-5'	320	2.4		mg/kg	SW846 6010C
Lead ^a						
MC49976-76	PC-19 0-5' COMP					
Naphthalene		0.0085	0.0044		mg/kg	SW846 8260C
Acenaphthene		1.23	0.11		mg/kg	SW846 8270D
Acenaphthylene		0.756	0.11		mg/kg	SW846 8270D
Anthracene		3.72	0.11		mg/kg	SW846 8270D
Benzo(a)anthracene		9.24	0.55		mg/kg	SW846 8270D
Benzo(a)pyrene		8.73	0.28		mg/kg	SW846 8270D
Benzo(b)fluoranthene		8.46	0.11		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		4.18	0.11		mg/kg	SW846 8270D
Benzo(k)fluoranthene		5.11	0.11		mg/kg	SW846 8270D
Chrysene		8.49	0.11		mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		1.53	0.11		mg/kg	SW846 8270D
Dibenzofuran		0.674	0.11		mg/kg	SW846 8270D
Fluoranthene		20.6	0.55		mg/kg	SW846 8270D
Fluorene		1.28	0.11		mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		4.71	0.28		mg/kg	SW846 8270D
2-Methylnaphthalene		0.280	0.11		mg/kg	SW846 8270D
Naphthalene		0.491	0.11		mg/kg	SW846 8270D
Phenanthrene		13.2	0.55		mg/kg	SW846 8270D
Pyrene		17.9	0.55		mg/kg	SW846 8270D
4,4' DDT		0.0149	0.0055		mg/kg	SW846 8081B
Aroclor 1254		0.0319	0.027		mg/kg	SW846 8082A
TPH-DRO (Semi-VOA)		345	18		mg/kg	SW846 8015
Arsenic ^a		5.4	2.2		mg/kg	SW846 6010C
Barium ^a		31.9	5.5		mg/kg	SW846 6010C
Chromium ^a		11.9	1.1		mg/kg	SW846 6010C
Lead ^a		151	2.2		mg/kg	SW846 6010C
Mercury ^a		0.13	0.036		mg/kg	SW846 7471B
Ignitability (Flashpoint) ^a		> 200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity ^a		186	7.5		umhos/cm	SM2510B 11M/SW9050AM
pH ^a		7.96			su	SW846 9045D

- (a) Analysis performed at SGS Accutest, Dayton, NJ.
(b) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased high.
(c) Initial and Continuing Calibration Verification outside of acceptance criteria. Result may be biased high.

Sample Results

Report of Analysis

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Report of Analysis

4.1

4

Client Sample ID: PC-1 0.5'

Lab Sample ID: MC49976 1

Matrix: SO - Soil

Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 82.8

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	86.9	2.3	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C ¹ SW846 3050B ²

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99632

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

4.2

4

Client Sample ID: PC 1.5 10'

Lab Sample ID: MC49976-2

Matrix: SO - Soil

Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 90.5

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	17.7	2.1	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C ¹ SW846 3050B ²

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99632

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

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Client Sample ID: PC-1 10.15'
 Lab Sample ID: MC49976-3
 Matrix: SO - Soil
 Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17
 Date Received: 03/29/17
 Percent Solids: 79.6

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	9.6	2.4	mg/kg	1	04/01/17	ANJ	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: N:MA41707

(2) Prep QC Batch: N:MP99632

(a) Analysis performed at SGS Accutest, Dayton, NJ.

Report of Analysis

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Client Sample ID: PC-1 0.15' COMP
 Lab Sample ID: MC49976-4
 Matrix: SO - Soil
 Method: SW846 8260C
 Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17
 Date Received: 03/29/17
 Percent Solids: 85.5

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83289.D	1	03/30/17	DRY	n/a	n/a	MSM3002
Run #2							

Run #	Initial Weight	Final Volume
Run #1	5.22 g	5.0 ml
Run #2		

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone ^a	0.0542	0.011	mg/kg	
71-43-2	Benzene	ND	0.0056	mg/kg	
108-86-1	Bromobenzene	ND	0.0056	mg/kg	
74-97-5	Bromochloromethane	ND	0.0056	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0022	mg/kg	
75-25-2	Bromoform	ND	0.0022	mg/kg	
74-83-9	Bromomethane	ND	0.011	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0056	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0056	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0056	mg/kg	
75-15-0	Carbon disulfide	ND	0.0056	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0022	mg/kg	
108-90-7	Chlorobenzene	ND	0.0022	mg/kg	
75-00-3	Chloroethane	ND	0.011	mg/kg	
67-66-3	Chloroform	ND	0.0022	mg/kg	
74-87-3	Chloromethane	ND	0.0056	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0056	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0056	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0022	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0056	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0056	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0022	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0022	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0022	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0022	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0022	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0056	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0022	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0022	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0022	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0022	mg/kg	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-10-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-4	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	85.5
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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4

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	0.0022	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0056	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0056	mg/kg	
563-58-6	1,1-Dichloropropene	ND	0.0056	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0022	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0022	mg/kg	
123-91-1	1,4-Dioxane	ND	0.14	mg/kg	
60-29-7	Ethyl Ether	ND	0.0056	mg/kg	
100-41-4	Ethylbenzene	ND	0.0022	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0056	mg/kg	
591-78-6	2-Hexanone	ND	0.0056	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0056	mg/kg	
99-87-6	p-Isopropyloluene	ND	0.0056	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0022	mg/kg	
108-10-1	4 Methyl-2-pentanone (MIBK)	ND	0.0056	mg/kg	
74-95-3	Methylene bromide	ND	0.0056	mg/kg	
75-09-2	Methylene chloride	ND	0.0022	mg/kg	
91-20-3	Naphthalene	0.0162	0.0056	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0056	mg/kg	
100-42-5	Styrene	ND	0.0056	mg/kg	
994-05-8	tert-Amyl Methyl Ether	ND	0.0056	mg/kg	
637-92-3	tert Butyl Ethyl Ether	ND	0.0022	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0022	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0056	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0022	mg/kg	
109-99-9	Tetrahydrofuran	ND	0.011	mg/kg	
108-88-3	Toluene	ND	0.0056	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0056	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0056	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0022	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0022	mg/kg	
79-01-6	Trichloroethene	ND	0.0022	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0022	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0056	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0056	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0056	mg/kg	
75-01-4	Vinyl chloride	ND	0.011	mg/kg	
	m,p Xylene	ND	0.0022	mg/kg	
95-47-6	o-Xylene	ND	0.0022	mg/kg	
1330-20-7	Xylene (total)	ND	0.0022	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-10-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-4	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	85.5
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	131%		65-141%
2037-26-5	Toluene-D8	103%		65-129%
460-00-4	4-Bromofluorobenzene	107%		63-137%

(a) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 10 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-4	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	85.5
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R51603.D	1	04/04/17	DRY	03/31/17	OP49564	MSR1939
Run #2	R51624.D	5	04/05/17	DRY	03/31/17	OP49564	MSR1940

Run #	Initial Weight	Final Volume
Run #1	20.7 g	1.0 ml
Run #2	20.7 g	1.0 ml

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.57	mg/kg	
95-57-8	2-Chlorophenol	ND	0.28	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.57	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.57	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.57	mg/kg	
51-28-5	2,4-Dinitrophenol a	ND	0.57	mg/kg	
95-48-7	2-Methylphenol	ND	0.57	mg/kg	
	3&4-Methylphenol	ND	0.57	mg/kg	
88-75-5	2-Nitrophenol	ND	0.57	mg/kg	
100-02-7	4-Nitrophenol	ND	0.57	mg/kg	
87-86-5	Pentachlorophenol	ND	0.57	mg/kg	
108-95-2	Phenol	ND	0.28	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.57	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.57	mg/kg	
83-32-9	Acenaphthene	1.10	0.11	mg/kg	
208-96-8	Acenaphthylene	0.705	0.11	mg/kg	
98-86-2	Acetophenone	ND	0.57	mg/kg	
62-53-3	Aniline	ND	0.57	mg/kg	
120-12-7	Anthracene	5.00	0.11	mg/kg	
56-55-3	Benzo(a)anthracene	11.6 ^b	0.57	mg/kg	
50-32-8	Benzo(a)pyrene	9.02	0.28	mg/kg	
205-99-2	Benzo(b)fluoranthene	9.00	0.11	mg/kg	
191-24-2	Benzo(g,h,i)perylene	4.92	0.11	mg/kg	
207-08-9	Benzo(k)fluoranthene	5.68	0.11	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.28	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.28	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.28	mg/kg	
106-47-8	4-Chloroaniline	ND	0.57	mg/kg	
218-01-9	Chrysene	10.2 ^b	0.57	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.28	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.28	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.28	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 10 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-4	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	85.5
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.28	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.28	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.28	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.28	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.57	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.57	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.57	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	2.06	0.11	mg/kg	
132-64-9	Dibenzofuran	1.06	0.11	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.28	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.28	mg/kg	
84-66-2	Diethyl phthalate	ND	0.28	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.28	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.28	mg/kg	
206-44-0	Fluoranthene	27.8 ^b	0.57	mg/kg	
86-73-7	Fluorene	1.71	0.11	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.28	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.28	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.57	mg/kg	
67-72-1	Hexachloroethane	ND	0.28	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	5.73	0.28	mg/kg	
78-59-1	Isophorone	ND	0.28	mg/kg	
91-57-6	2-Methylnaphthalene	0.249	0.11	mg/kg	
91-20-3	Naphthalene	0.517	0.11	mg/kg	
98-95-3	Nitrobenzene	ND	0.28	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.28	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.28	mg/kg	
85-01-8	Phenanthrene	20.8 ^b	0.57	mg/kg	
129-00-0	Pyrene	21.9 ^b	0.57	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.28	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	80%	85%	25-109%
4165-62-2	Phenol d5	84%	91%	29-113%
118-79-6	2,4,6-Tribromophenol	89%	93%	20-141%
4165-60-0	Nitrobenzene-d5	75%	81%	27-115%
321-60-8	2-Fluorobiphenyl	82%	86%	34-118%
1718-51-0	Terphenyl d14	91%	99%	42-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.4

4

Client Sample ID: PC-10-15' COMP

Lab Sample ID: MC49976 4

Matrix: SO - Soil

Method: SW846 8270D SW846 3546

Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 85.5

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
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- (a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.
(b) Result is from Run# 2

Report of Analysis

4.4

4

Client Sample ID: PC-10-15' COMP

Lab Sample ID: MC49976 4

Matrix: SO - Soil

Method: SW846 8015

Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 85.5

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	WX79854.D	1	03/30/17	AF	n/a	n/a	CWX3998

Run #1	Initial Weight	Final Volume	Methanol Aliquot
Run #2	11.8 g	10.0 ml	100 ul

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	5.8	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
	2,3,4 Trifluorotoluene	104%		64 127%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.44

Client Sample ID: PC 1 0 15' COMP
Lab Sample ID: MC49976-4
Matrix: SO - Soil
Method: SW846 8081B SW846 3546
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17
Date Received: 03/29/17
Percent Solids: 85.5

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	BF54522.D	1	04/04/17	AP	03/31/17	OP49567	GBE2736

Run #1	Initial Weight	Final Volume
Run #2	20.9 g	10.0 ml

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0056	mg/kg	
319-84-6	alpha-BHC	ND	0.0056	mg/kg	
319-85-7	beta-BHC	ND	0.0056	mg/kg	
319-86-8	delta-BHC	ND	0.0056	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.056	mg/kg	
60-57-1	Dieldrin	ND	0.0056	mg/kg	
72-54-8	4,4' DDD	ND	0.0056	mg/kg	
72-55-9	4,4' DDE	ND	0.0056	mg/kg	
50-29-3	4,4' DDT	ND	0.0056	mg/kg	
72-20-8	Endrin	ND	0.0056	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0056	mg/kg	
959-98-8	Endosulfan-I	ND	0.0056	mg/kg	
33213-65-9	Endosulfan-II	ND	0.0056	mg/kg	
76-44-8	Heptachlor	ND	0.0056	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0056	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0056	mg/kg	
72-43-5	Methoxychlor	ND	0.0056	mg/kg	
53494-70-5	Endrin ketone	ND	0.0056	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877 09 8	Tetrachloro m xylene	48%		10 143%
877 09 8	Tetrachloro m xylene	64%		10 143%
2051-24-3	Decachlorobiphenyl	59%		10-172%
2051-24-3	Decachlorobiphenyl	150%		10-172%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.44

Client Sample ID: PC 1 0 15' COMP
Lab Sample ID: MC49976-4
Matrix: SO - Soil
Method: SW846 8082A SW846 3546
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17
Date Received: 03/29/17
Percent Solids: 85.5

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	BK65073.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075

Run #1	Initial Weight	Final Volume
Run #2	20.9 g	10.0 ml

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.028	mg/kg	
11104-28-2	Aroclor 1221	ND	0.028	mg/kg	
11141-16-5	Aroclor 1232	ND	0.028	mg/kg	
53469-21-9	Aroclor 1242	ND	0.028	mg/kg	
12672-29-6	Aroclor 1248	ND	0.028	mg/kg	
11097-69-1	Aroclor 1254	ND	0.028	mg/kg	
11096-82-5	Aroclor 1260	ND	0.028	mg/kg	
37324-23-5	Aroclor 1262	ND	0.028	mg/kg	
11100-14-4	Aroclor 1268	ND	0.028	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%		25-145%
877-09-8	Tetrachloro-m-xylene	57%		25-145%
2051-24-3	Decachlorobiphenyl	85%		25-179%
2051-24-3	Decachlorobiphenyl	68%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 1015' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-4	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	85.5
Method:	SW846 8151 SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA125178.D	1	ANJ	04/08/17	N:OP1744	N:GOA4283
Run #2						

Initial Weight	Final Volume
Run #1 15.8 g	5.0 ml
Run #2	

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
9475-7	2,4-D	ND	0.019	mg/kg	
9372-1	2,4,5 TP (Silvex)	ND	0.0037	mg/kg	
9376-5	2,4,5-T	ND	0.0037	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
19719-28-9	2,4-DCAA	87%		10-159%	
19719-28-9	2,4-DCAA	73%		10-159%	

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
F = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-1015' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-4	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	85.5
Method:	SW846 8015 SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4499.D	1	AP	03/31/17	OP49565	GCR1276
Run #2						

Initial Weight	Final Volume
Run #1 15.3 g	1.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	197	19	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o Terphenyl	100%		17-130%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-1 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 4	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	85.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.4

4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic ^a	3.2	2.3	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 3050B 3
Barium ^a	54.1	5.8	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 3050B 3
Cadmium ^a	<0.58	0.58	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 3050B 3
Chromium ^a	23.9	1.2	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 3050B 3
Lead ^a	46.3	2.3	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 3050B 3
Mercury ^a	<0.036	0.036	mg/kg	1	04/01/17	04/01/17	ANJ	SW846 7471B 4
Selenium ^a	<2.3	2.3	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 3050B 3
Silver ^a	0.96	0.58	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 3050B 3

(1) Instrument QC Batch: N:MA41691

(2) Instrument QC Batch: N:MA41707

(3) Prep QC Batch: N:MP99632

(4) Prep QC Batch: N:MP99635

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-1 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 4	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	85.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.4

4

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity ^a	<11	11	mg/kg	1	04/03/17 12:17	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) ^a	>200		Deg. F	1	04/04/17 16:00	ANJ	SW846 1010A/ASTM D83
Solids, Percent ^a	85.5		%	1	04/03/17 19:15	ANJ	SM2540 C-97
Specific Conductivity ^a	195	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity ^a	<110	110	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH ^a	7.56		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

4.54

Client Sample ID:	PC 2 0 5'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-5	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.2
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	23.9	2.4	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C 1 SW846 3050B 2

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99632

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

4.64

Client Sample ID:	PC-2 5-10'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 6	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	86.0
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	6.4	2.3	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C 1 SW846 3050B 2

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99632

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

4.7 4

Client Sample ID: PC-2 10-15'

Lab Sample ID: MC49976.7

Matrix: SO - Soil

Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 80.4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead a	11.2	2.4	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C.1 SW846 3050B.2

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99632

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

4.8 4

Client Sample ID: PC-2 0-15' COMP

Lab Sample ID: MC49976.8

Matrix: SO - Soil

Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 81.4

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83290.D	1	03/30/17	DRY	n/a	n/a	MSM3002
Run #2 a	M83297.D	1	03/30/17	DRY	n/a	n/a	MSM3002

Run #	Initial Weight	Final Volume
Run #1	5.32 g	5.0 ml
Run #2	5.89 g	5.0 ml

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone b	0.0284	0.012	mg/kg	
71-43-2	Benzene	ND	0.0058	mg/kg	
108-86-1	Bromobenzene	ND	0.0058	mg/kg	
74-97-5	Bromochloromethane	ND	0.0058	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0023	mg/kg	
75-25-2	Bromoform	ND	0.0023	mg/kg	
74-83-9	Bromomethane	ND	0.012	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.012	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0058	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0058	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0058	mg/kg	
75-15-0	Carbon disulfide	ND	0.0058	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0023	mg/kg	
108-90-7	Chlorobenzene	ND	0.0023	mg/kg	
75-00-3	Chloroethane	ND	0.012	mg/kg	
67-66-3	Chloroform	ND	0.0023	mg/kg	
74-87-3	Chloromethane	ND	0.0058	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0058	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0058	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0023	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0058	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0058	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0023	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0023	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0023	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0023	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0023	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0058	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0023	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0023	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0023	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0023	mg/kg	

ND = Not detected
RL = Reporting Limit
F = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 2 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 8	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.8 4

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	0.0023	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0058	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0058	mg/kg	
563-58-6	1,1-Dichloropropane	ND	0.0058	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0023	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0023	mg/kg	
123-91-1	1,4-Dioxane	ND	0.14	mg/kg	
60-29-7	Ethyl Ether	ND	0.0058	mg/kg	
100-41-4	Ethylbenzene	ND	0.0023	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0058	mg/kg	
591-78-6	2-Hexanone	ND	0.0058	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0058	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0058	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0023	mg/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	0.0058	mg/kg	
74-95-3	Methylene bromide	ND	0.0058	mg/kg	
75-09-2	Methylene chloride	ND	0.0023	mg/kg	
91-20-3	Naphthalene	ND	0.0058	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0058	mg/kg	
100-42-5	Styrene	ND	0.0058	mg/kg	
994-05-8	tert-Amyl Methyl Ether	ND	0.0058	mg/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	0.0023	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0023	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0058	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0023	mg/kg	
109-99-9	Tetrahydrofuran	ND	0.012	mg/kg	
108-88-3	Toluene	ND	0.0058	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0058	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0058	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0023	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0023	mg/kg	
79-01-6	Trichloroethene	ND	0.0023	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0023	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0058	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0058	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0058	mg/kg	
75-01-4	Vinyl chloride	ND	0.012	mg/kg	
95-47-6	m,p-Xylene	ND	0.0023	mg/kg	
1330-20-7	o-Xylene	ND	0.0023	mg/kg	
	Xylene (total)	ND	0.0023	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 2 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 8	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.8 4

VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	131%	130%	65-141%
2037-26-5	Toluene-D8	103%	103%	65-129%
460-00-4	4-Bromofluorobenzene	111%	121%	63-137%

(a) Confirmation run.
(b) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-2 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-8	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8270D SW846 3546		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	R51604.D	1	04/04/17	DRY	03/31/17	OP49564	MSR1939

Run #1	Initial Weight	Final Volume
Run #2	20.7 g	1.0 ml

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.59	mg/kg	
95-57-8	2-Chlorophenol	ND	0.30	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.59	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.59	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.59	mg/kg	
51-28-5	2,4-Dinitrophenol a	ND	0.59	mg/kg	
95-48-7	2-Methylphenol	ND	0.59	mg/kg	
	3&4-Methylphenol	ND	0.59	mg/kg	
88-75-5	2-Nitrophenol	ND	0.59	mg/kg	
100-02-7	4-Nitrophenol	ND	0.59	mg/kg	
87-86-5	Pentachlorophenol	ND	0.59	mg/kg	
108-95-2	Phenol	ND	0.30	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.59	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.59	mg/kg	
83-32-9	Acenaphthene	ND	0.12	mg/kg	
208-96-8	Acenaphthylene	ND	0.12	mg/kg	
98-86-2	Acetophenone	ND	0.59	mg/kg	
62-53-3	Aniline	ND	0.59	mg/kg	
120-12-7	Anthracene	0.209	0.12	mg/kg	
56-55-3	Benzo(a)anthracene	0.628	0.12	mg/kg	
50-32-8	Benzo(a)pyrene	0.580	0.30	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.436	0.12	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.361	0.12	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.500	0.12	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.30	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.30	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.30	mg/kg	
106-47-8	4-Chloroaniline	ND	0.59	mg/kg	
218-01-9	Chrysene	0.542	0.12	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.30	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.30	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.30	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-2 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-8	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8270D SW846 3546		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.30	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.30	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.30	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.30	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.59	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.59	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.59	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.12	mg/kg	
132-64-9	Dibenzofuran	ND	0.12	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.30	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.30	mg/kg	
84-66-2	Diethyl phthalate	ND	0.30	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.30	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.30	mg/kg	
206-44-0	Fluoranthene	1.27	0.12	mg/kg	
86-73-7	Fluorene	ND	0.12	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.30	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.30	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.59	mg/kg	
67-72-1	Hexachloroethane	ND	0.30	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.394	0.30	mg/kg	
78-59-1	Isophorone	ND	0.30	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.12	mg/kg	
91-20-3	Naphthalene	ND	0.12	mg/kg	
98-95-3	Nitrobenzene	ND	0.30	mg/kg	
621-64-7	N-Nitroso di n propylamine	ND	0.30	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.30	mg/kg	
85-01-8	Phenanthrene	0.781	0.12	mg/kg	
129-00-0	Pyrene	1.17	0.12	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.30	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	80%		25-109%
4165-62-2	Phenol d5	85%		29-113%
118-79-6	2,4,6-Tribromophenol	92%		20-141%
4165-60-0	Nitrobenzene-d5	78%		27-115%
321-60-8	2-Fluorobiphenyl	85%		34-118%
1718-51-0	Terphenyl d14	97%		42-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 2 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-8	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
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(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.

Report of Analysis

Client Sample ID:	PC 2 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-8	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8015		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WX79861.D	1	03/30/17	AF	n/a	n/a	CWX3998
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.2 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
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TPH-GRO (VOA)

ND

7.2

mg/kg

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
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101%

64 127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 2 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 8	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8081B SW846 3546		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	BE54523.D	1	04/04/17	AP	03/31/17	OP49567	GBE2736

Run #1	Initial Weight	Final Volume
Run #2	20.5 g	10.0 ml

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309 00 2	Aldrin	ND	0.0060	mg/kg	
319 84 6	alpha-BHC	ND	0.0060	mg/kg	
319 85 7	beta-BHC	ND	0.0060	mg/kg	
319 86 8	delta-BHC	ND	0.0060	mg/kg	
58 89 9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789 03 6	Chlordane	ND	0.060	mg/kg	
60 57 1	Dieldrin	ND	0.0060	mg/kg	
72 54 8	4,4' DDD	ND	0.0060	mg/kg	
72 55 9	4,4' DDE	ND	0.0060	mg/kg	
50 29 3	4,4' DDT	ND	0.0060	mg/kg	
72 20 8	Endrin	ND	0.0060	mg/kg	
1031 07 8	Endosulfan sulfate	ND	0.0060	mg/kg	
959 98 8	Endosulfan-I	ND	0.0060	mg/kg	
33213 65 9	Endosulfan II	ND	0.0060	mg/kg	
76 44 8	Heptachlor	ND	0.0060	mg/kg	
1024 57 3	Heptachlor epoxide	ND	0.0060	mg/kg	
118 74 1	Hexachlorobenzene	ND	0.0060	mg/kg	
72 43 5	Methoxychlor	ND	0.0060	mg/kg	
53494 70 5	Endrin ketone	ND	0.0060	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09 8	Tetrachloro-m-xylene	68%		10-143%
877-09 8	Tetrachloro-m-xylene	73%		10-143%
2051-24 3	Decachlorobiphenyl	61%		10-172%
2051-24 3	Decachlorobiphenyl	88%		10-172%

ND = Not detected
RL = Reporting Limit
F = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 2 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-8	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8082A SW846 3546		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	BK65074.D	1	04/04/17	AP	03/31/17	OP49566	CBK2075

Run #1	Initial Weight	Final Volume
Run #2	20.5 g	10.0 ml

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674 11 2	Aroclor 1016	ND	0.030	mg/kg	
11104 28 2	Aroclor 1221	ND	0.030	mg/kg	
11141 16 5	Aroclor 1232	ND	0.030	mg/kg	
53469 21 9	Aroclor 1242	ND	0.030	mg/kg	
12672 29 6	Aroclor 1248	ND	0.030	mg/kg	
11097 69 1	Aroclor 1254	ND	0.030	mg/kg	
11096 82 5	Aroclor 1260	ND	0.030	mg/kg	
37324 23 5	Aroclor 1262	ND	0.030	mg/kg	
11100 14 4	Aroclor 1268	ND	0.030	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09 8	Tetrachloro-m-xylene	86%		25-145%
877-09 8	Tetrachloro-m-xylene	77%		25-145%
2051-24 3	Decachlorobiphenyl	93%		25-179%
2051-24 3	Decachlorobiphenyl	82%		25-179%

ND = Not detected
RL = Reporting Limit
F = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 2015' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 8	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8151 SW846 8151/3550C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	OAT25122.D	1	04/07/17	ANJ	04/05/17	N:OP1615	N:GOA4281

Run #1	Initial Weight	Final Volume
Run #2	15.9 g	5.0 ml

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.019	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0039	mg/kg	
93-76-5	2,4,5-T	ND	0.0039	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	86%		10-159%
19719-28-9	2,4-DCAA	122%		10-159%

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 2015' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-8	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846-8015 SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	CR4493.D	1	04/04/17	AP	03/31/17	OP49565	CCR1276

Run #1	Initial Weight	Final Volume
Run #2	16.0 g	1.0 ml

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	26.5	19	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		17-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-2 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-8	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	81.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic ^a	5.8	2.5	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C 2
Barium ^a	31.9	6.3	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C 2
Cadmium ^a	<0.63	0.63	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C 2
Chromium ^a	18.5	1.3	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C 2
Lead ^a	8.7	2.5	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C 2
Mercury ^a	<0.040	0.040	mg/kg	1	04/01/17	04/01/17	ANJ	SW846 7471B 1
Selenium ^a	<2.5	2.5	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C 2
Silver ^a	0.71	0.63	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C 2

- (1) Instrument QC Batch: N:MA41691
(2) Instrument QC Batch: N:MA41707
(3) Prep QC Batch: N:MP99632
(4) Prep QC Batch: N:MP99635

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-2 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-8	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	81.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity ^a	< 12	12	mg/kg	1	04/03/17 12:18	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) ^a	> 200		Deg. F	1	04/04/17 16:00	ANJ	SW846 1010A/ASTM D83
Solids, Percent ^a	81.4		%	1	04/03/17 19:15	ANJ	SM2540 G-97
Specific Conductivity ^a	144	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M SW9050AM
Sulfide Reactivity ^a	<120	120	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7-9034
pH ^a	7.60		su	1	04/05/17 11:36	ANJ	SW846 9015D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

4.9

4

Client Sample ID:	PC 3 0 5'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-9	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	86.6
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	20.1	2.2	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C ¹ SW846 3050B ²

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99632

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

4.10

4

Client Sample ID:	PC 3 5 10'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 10	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	85.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	8.6	2.2	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C ¹ SW846 3050B ²

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99632

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-3 10-15'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 11	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	77.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead a	11.3	2.6	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C 1 SW846 3050B 2

- (1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99632

(a) Analysis performed at SGS Accutest, Dayton, NJ.

4.11 4

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-3 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-12	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	84.1
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83291.D	1	03/30/17	DRY	n/a	n/a	MSM3002
Run #2 a	M83296.D	1	03/30/17	DRY	n/a	n/a	MSM3002

Run #	Initial Weight	Final Volume
Run #1	5.77 g	5.0 ml
Run #2	5.20 g	5.0 ml

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone b	0.0407	0.010	mg/kg	
71-43-2	Benzene	ND	0.00052	mg/kg	
108-86-1	Bromobenzene	ND	0.0052	mg/kg	
74-97-5	Bromochloromethane	ND	0.0052	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0021	mg/kg	
75-25-2	Bromoform	ND	0.0021	mg/kg	
74-83-9	Bromomethane	ND	0.010	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.010	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0052	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0052	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0052	mg/kg	
75-15-0	Carbon disulfide	ND	0.0052	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0021	mg/kg	
108-90-7	Chlorobenzene	ND	0.0021	mg/kg	
75-00-3	Chloroethane	ND	0.010	mg/kg	
67-66-3	Chloroform	ND	0.0021	mg/kg	
74-87-3	Chloromethane	ND	0.0052	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0052	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0052	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0021	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0052	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0052	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0021	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0021	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0021	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0021	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0052	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0021	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0021	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0021	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0021	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0021	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	PC-3 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-12	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	84.1
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	0.0021	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0052	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0052	mg/kg	
563-58-6	1,1-Dichloropropane	ND	0.0052	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0021	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0021	mg/kg	
123-91-1	1,4-Dioxane	ND	0.13	mg/kg	
60-29-7	Ethyl Ether	ND	0.0052	mg/kg	
100-41-4	Ethylbenzene	0.0027	0.0021	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0052	mg/kg	
591-78-6	2-Hexanone	ND	0.0052	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0052	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0052	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0021	mg/kg	
108-10-1	4 Methyl 2 pentanone (MIBK)	ND	0.0052	mg/kg	
74-95-3	Methylene bromide	ND	0.0052	mg/kg	
75-09-2	Methylene chloride	ND	0.0021	mg/kg	
91-20-3	Naphthalene	ND	0.0052	mg/kg	
103-65-1	n Propylbenzene	ND	0.0052	mg/kg	
100-42-5	Styrene	ND	0.0052	mg/kg	
994-05-8	tert-Amyl Methyl Ether	ND	0.0052	mg/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	0.0021	mg/kg	
630-20-6	1,1,2-Tetrachloroethane	ND	0.0021	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0052	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0021	mg/kg	
109-99-9	Tetrahydrofuran	ND	0.010	mg/kg	
108-88-3	Toluene	ND	0.0052	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0052	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0052	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0021	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0021	mg/kg	
79-01-6	Trichloroethene	ND	0.0021	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0021	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0052	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0052	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0052	mg/kg	
75-01-4	Vinyl chloride	ND	0.010	mg/kg	
95-47-6	m,p-Xylene	0.0144	0.0021	mg/kg	
1330-20-7	o-Xylene	0.0067	0.0021	mg/kg	
	Xylene (total)	0.0211	0.0021	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-3 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-12	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	84.1
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	133%	133%	65-141%
2037-26-5	Toluene-D8	104%	111%	65-129%
460-00-4	4-Bromofluorobenzene	124%	121%	63-137%

(a) Confirmation run.
(b) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 3 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-12	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	84.1
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R51605.D	1	04/04/17	DRY	03/31/17	OP49764	MSR1939
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.7 g	1.0 ml
Run #2		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.57	mg/kg	
95-57-8	2 Chlorophenol	ND	0.29	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.57	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.57	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.57	mg/kg	
51-28-5	2,4-Dinitrophenol a	ND	0.57	mg/kg	
95-48-7	2 Methylphenol	ND	0.57	mg/kg	
	3&4 Methylphenol	ND	0.57	mg/kg	
88-75-5	2-Nitrophenol	ND	0.57	mg/kg	
100-02-7	4-Nitrophenol	ND	0.57	mg/kg	
87-86-5	Pentachlorophenol	ND	0.57	mg/kg	
108-95-2	Phenol	ND	0.29	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.57	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.57	mg/kg	
83-32-9	Acenaphthene	ND	0.11	mg/kg	
208-96-8	Acenaphthylene	0.127	0.11	mg/kg	
98-86-2	Acetophenone	ND	0.57	mg/kg	
62-53-3	Aniline	ND	0.57	mg/kg	
120-12-7	Anthracene	0.300	0.11	mg/kg	
56-55-3	Benzo(a)anthracene	1.31	0.11	mg/kg	
50-32-8	Benzo(a)pyrene	1.27	0.29	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.944	0.11	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.709	0.11	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.939	0.11	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.29	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.29	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.29	mg/kg	
106-47-8	4-Chloroaniline	ND	0.57	mg/kg	
218-01-9	Chrysene	1.13	0.11	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.29	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.29	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.29	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 3 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-12	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	84.1
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.29	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.29	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.29	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.29	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.57	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.57	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.57	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.191	0.11	mg/kg	
132-64-9	Dibenzofuran	ND	0.11	mg/kg	
84-74-2	Di n butyl phthalate	ND	0.29	mg/kg	
117-84-0	Di n-octyl phthalate	ND	0.29	mg/kg	
84-66-2	Diethyl phthalate	ND	0.29	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.29	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.29	mg/kg	
206-44-0	Fluoranthene	2.43	0.11	mg/kg	
86-73-7	Fluorene	ND	0.11	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.29	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.29	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.57	mg/kg	
67-72-1	Hexachloroethane	ND	0.29	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.762	0.29	mg/kg	
78-59-1	Isophorone	ND	0.29	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.11	mg/kg	
91-20-3	Naphthalene	ND	0.11	mg/kg	
98-95-3	Nitrobenzene	ND	0.29	mg/kg	
621-64-7	N-Nitroso-di n-propylamine	ND	0.29	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.29	mg/kg	
85-01-8	Phenanthrene	1.04	0.11	mg/kg	
129-00-0	Pyrene	2.49	0.11	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.29	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	78%		25-109%
4165-62-2	Phenol-d5	82%		29-113%
118-79-6	2,4,6-Tribromophenol	83%		20-141%
4165-60-0	Nitrobenzene-d5	77%		27-115%
321-60-8	2-Fluorobiphenyl	79%		34-118%
1718-51-0	Terphenyl-d14	91%		42-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PC 30 15' COMP

Lab Sample ID: MC49976 12

Matrix: SO - Soil

Method: SW846 8270D

Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 84.1

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.					

Report of Analysis

Client Sample ID: PC 30 15' COMP

Lab Sample ID: MC49976 12

Matrix: SO - Soil

Method: SW846 8015

Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 84.1

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WX79862.D	1	03/30/17	AF	n/a	n/a	GWX3998
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	9.58 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	7.2	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
	2,3,4 Trifluorotoluene	101%		64 127%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-30-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 12	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	84.1
Method:	SW846 8081B SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE54524.D	I	AP	03/31/17	OP49567	GBE2736
Run #2						

Initial Weight	Final Volume
Run #1 20.8 g	10.0 ml
Run #2	

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0057	mg/kg	
319-84-6	alpha-BHC	ND	0.0057	mg/kg	
319-85-7	beta BHC	ND	0.0057	mg/kg	
319-86-8	delta BHC	ND	0.0057	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.057	mg/kg	
60-57-1	Dieldrin	ND	0.0057	mg/kg	
72-54-8	4,4'-DDD	ND	0.0057	mg/kg	
72-55-9	4,4'-DDE	ND	0.0057	mg/kg	
50-29-3	4,4'-DDT	ND	0.0057	mg/kg	
72-20-8	Endrin	ND	0.0057	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0057	mg/kg	
959-98-8	Endosulfan-I	ND	0.0057	mg/kg	
33213-65-9	Endosulfan-II	ND	0.0057	mg/kg	
76-44-8	Heptachlor	ND	0.0057	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0057	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0057	mg/kg	
72-43-5	Methoxychlor	ND	0.0057	mg/kg	
53494-70-5	Endrin ketone	ND	0.0057	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877 09 8	Tetrachloro m xylene	71%		10 143%
877-09-8	Tetrachloro-m-xylene	82%		10-143%
2051 24 3	Decachlorobiphenyl	62%		10 172%
2051 24 3	Decachlorobiphenyl	122%		10 172%

ND = Not detected
RL = Reporting Limit
F = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 30 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-12	Date Received:	03/29/17
Matrix:	SO Soil	Percent Solids:	84.1
Method:	SW846 8082A SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65075.D	I	AP	03/31/17	OP49566	GBK2075
Run #2						

Initial Weight	Final Volume
Run #1 20.8 g	10.0 ml
Run #2	

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.029	mg/kg	
11104 28-2	Aroclor 1221	ND	0.029	mg/kg	
11141 16 5	Aroclor 1232	ND	0.029	mg/kg	
53469-21-9	Aroclor 1242	ND	0.029	mg/kg	
12672-29-6	Aroclor 1248	ND	0.029	mg/kg	
11097-69-1	Aroclor 1254	ND	0.029	mg/kg	
11096-82-5	Aroclor 1260	ND	0.029	mg/kg	
37324-23-5	Aroclor 1262	ND	0.029	mg/kg	
11100 14 4	Aroclor 1268	ND	0.029	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877 09 8	Tetrachloro m xylene	84%		25 145%
877-09-8	Tetrachloro-m-xylene	73%		25-145%
2051-24-3	Decachlorobiphenyl	95%		25-179%
2051-24-3	Decachlorobiphenyl	80%		25-179%

ND = Not detected
RL = Reporting Limit
F = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-30-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-12	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	84.1
Method:	SW846 8151 SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA125179.D	1	04/10/17	ANJ	N:OP1744	N:GOA4283
Run #2						

Initial Weight	Final Volume
Run #1 15.4 g	5.0 ml
Run #2	

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.019	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0039	mg/kg	
93-76-5	2,4,5-T	ND	0.0039	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	73%		10-159%
19719-28-9	2,4-DCAA	64%		10-159%

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-30-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-12	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	84.1
Method:	SW846 8015 SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4502.D	1	04/04/17	AP	OP49565	CCR1276
Run #2						

Initial Weight	Final Volume
Run #1 15.9 g	1.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	135	19	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o Terphenyl	102%		17-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: PC-3 0-15' COMP
Lab Sample ID: MC49976-12
Matrix: SO - Soil
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17
Date Received: 03/29/17
Percent Solids: 84.1

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Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic ^a	7.1	2.3	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 3050B 3
Barium ^a	66.6	5.7	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 3050B 3
Cadmium ^a	<0.57	0.57	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 3050B 3
Chromium ^a	27.1	1.1	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 3050B 3
Lead ^a	44.7	2.3	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 3050B 3
Mercury ^a	<0.039	0.039	mg/kg	1	04/01/17	04/01/17	ANJ	SW846 7471B 4
Selenium ^a	<2.3	2.3	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 3050B 3
Silver ^a	0.85	0.57	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 3050B 3

- (1) Instrument QC Batch: N:MA41691
(2) Instrument QC Batch: N:MA41707
(3) Prep QC Batch: N:MP99632
(4) Prep QC Batch: N:MP99635

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID: PC-3 0-15' COMP
Lab Sample ID: MC49976-12
Matrix: SO - Soil
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17
Date Received: 03/29/17
Percent Solids: 84.1

4.12 4

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity ^a	< 12	12	mg/kg	1	04/03/17 12:20	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) ^a	> 200		Deg. F	1	04/04/17 16:00	ANJ	SW846 1010A/ASTM D93
Solids, Percent ^a	84.1		%	1	04/03/17 19:15	ANJ	SM2540 C-97
Specific Conductivity ^a	241	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity ^a	<120	120	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH ^a	8.72		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 4 0 5'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-13	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	89.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	99.9	2.2	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C ¹ SW846 3050B ²

- (1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99632

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 4 5 10'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-14	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	80.6
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	22.7	2.4	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C ¹ SW846 3050H ²

- (1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99632

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-4 10-15'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-15	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	70.2
Project:	Maggiore Somerville, 343 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	16.8	2.8	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C ¹ SW846 3050B ²

(1) Instrument QC Batch: N:MA41707

(2) Prep QC Batch: N:MP99632

(a) Analysis performed at SGS Accutest, Dayton, NJ.

4.15 4

Report of Analysis

Client Sample ID:	PC 4 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 16	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	78.7
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83295.D	1	03/30/17	DRY	n/a	n/a	MSM3002
Run #2 ^a	M83292.D	1	03/30/17	DRY	n/a	n/a	MSM3002

Run #	Initial Weight	Final Volume
Run #1	4.76 g	5.0 ml
Run #2	5.32 g	5.0 ml

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone ^b	0.0800	0.013	mg/kg	
71-43-2	Benzene	ND	0.00067	mg/kg	
108-86-1	Bromobenzene	ND	0.0067	mg/kg	
74-97-5	Bromochloromethane	ND	0.0067	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0027	mg/kg	
75-25-2	Bromoform	ND	0.0027	mg/kg	
74-83-9	Bromomethane	ND	0.013	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.013	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0067	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0067	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0067	mg/kg	
75-15-0	Carbon disulfide	ND	0.0067	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0027	mg/kg	
108-90-7	Chlorobenzene	ND	0.0027	mg/kg	
75-00-3	Chloroethane	ND	0.013	mg/kg	
67-66-3	Chloroform	ND	0.0027	mg/kg	
74-87-3	Chloromethane	ND	0.0067	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0067	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0067	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0027	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0067	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0067	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0027	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0027	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0027	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0027	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0067	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0027	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0027	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0027	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0027	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0027	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

4.16 4

Report of Analysis

Client Sample ID:	PC-4 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-16	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	78.7
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		



Report of Analysis

Client Sample ID:	PC 4 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-16	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	78.7
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		



VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	0.0027	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0067	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0067	mg/kg	
563-58-6	1,1-Dichloropropene	ND	0.0067	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0027	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0027	mg/kg	
123-91-1	1,4-Dioxane	ND	0.17	mg/kg	
60-29-7	Ethyl Ether	ND	0.0067	mg/kg	
100-41-4	Ethylbenzene	ND	0.0027	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0067	mg/kg	
591-78-6	2-Hexanone	ND	0.0067	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0067	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0067	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0027	mg/kg	
108-10-1	4 Methyl 2-pentanone (MIBK)	ND	0.0067	mg/kg	
74-95-3	Methylene bromide	ND	0.0067	mg/kg	
75-09-2	Methylene chloride	ND	0.0027	mg/kg	
91-20-3	Naphthalene	ND	0.0067	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0067	mg/kg	
100-42-5	Styrene	ND	0.0067	mg/kg	
994-05-8	tert Amyl Methyl Ether	ND	0.0067	mg/kg	
637-92-3	tert Butyl Ethyl Ether	ND	0.0027	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0027	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0067	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0027	mg/kg	
109-99-9	Tetrahydrofuran	ND	0.013	mg/kg	
108-88-3	Toluene	ND	0.0067	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0067	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0067	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0027	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0027	mg/kg	
79-01-6	Trichloroethene	ND	0.0027	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0027	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0067	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0067	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0067	mg/kg	
75-01-4	Vinyl chloride	ND	0.013	mg/kg	
95-47-6	m,p Xylene	ND	0.0027	mg/kg	
1330-20-7	o-Xylene	ND	0.0027	mg/kg	
	Xylene (total)	ND	0.0027	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	128%	136%	65-141%
2037-26-5	Toluene-D8	106%	106%	65-129%
460-00-4	4-Bromofluorobenzene	102%	101%	63-137%

(a) Confirmation run.
(b) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-4 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 16	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	78.7
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R51606.D	1	04/04/17	DRY	03/31/17	OP49564	MSR1939
Run #2	R51625.D	5	04/05/17	DRY	03/31/17	OP49564	MSR1940

Run #	Initial Weight	Final Volume
Run #1	20.9 g	1.0 ml
Run #2	20.9 g	1.0 ml

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.61	mg/kg	
95-57-8	2-Chlorophenol	ND	0.30	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.61	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.61	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.61	mg/kg	
51-28-5	2,4-Dinitrophenol a	ND	0.61	mg/kg	
95-48-7	2-Methylphenol	ND	0.61	mg/kg	
	3&4-Methylphenol	ND	0.61	mg/kg	
88-75-5	2-Nitrophenol	ND	0.61	mg/kg	
100-02-7	4-Nitrophenol	ND	0.61	mg/kg	
87-86-5	Pentachlorophenol	ND	0.61	mg/kg	
108-95-2	Phenol	ND	0.30	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.61	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.61	mg/kg	
83-32-9	Acenaphthene	0.907	0.12	mg/kg	
208-96-8	Acenaphthylene	2.65	0.61	mg/kg	
98-86-2	Acetophenone	ND	0.61	mg/kg	
62-53-3	Aniline	ND	0.61	mg/kg	
120-12-7	Anthracene	5.50	0.12	mg/kg	
56-55-3	Benzo(a)anthracene	10.8 ^b	0.61	mg/kg	
50-32-8	Benzo(a)pyrene	7.70	0.30	mg/kg	
205-99-2	Benzo(b)fluoranthene	7.33	0.12	mg/kg	
191-24-2	Benzo(g,h,i)perylene	3.81	0.12	mg/kg	
207-08-9	Benzo(k)fluoranthene	5.68	0.12	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.30	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.30	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.30	mg/kg	
106-47-8	4-Chloroaniline	ND	0.61	mg/kg	
218-01-9	Chrysene	10.0 ^b	0.61	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.30	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.30	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.30	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-4 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 16	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	78.7
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.30	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.30	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.30	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.30	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.61	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.61	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.61	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	1.57	0.12	mg/kg	
132-64-9	Dibenzofuran	2.12	0.12	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.30	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.30	mg/kg	
84-66-2	Diethyl phthalate	ND	0.30	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.30	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.30	mg/kg	
206-44-0	Fluoranthene	29.4 ^b	0.61	mg/kg	
86-73-7	Fluorene	4.59	0.12	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.30	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.30	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.61	mg/kg	
67-72-1	Hexachloroethane	ND	0.30	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	4.71	0.30	mg/kg	
78-59-1	Isophorone	ND	0.30	mg/kg	
91-57-6	2-Methylnaphthalene	0.463	0.12	mg/kg	
91-20-3	Naphthalene	0.259	0.12	mg/kg	
98-95-3	Nitrobenzene	ND	0.30	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.30	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.30	mg/kg	
85-01-8	Phenanthrene	33.5 ^b	0.61	mg/kg	
129-00-0	Pyrene	23.0 ^b	0.61	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.30	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	74%	76%	25-109%
4165-62-2	Phenol-d5	79%	74%	29-113%
118-79-6	2,4,6-Tribromophenol	87%	86%	20-141%
4165-60-0	Nitrobenzene-d5	73%	71%	27-115%
321-60-8	2-Fluorobiphenyl	79%	81%	34-118%
1718-51-0	Terphenyl d14	89%	89%	42-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 4 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-16	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	78.7
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.					
(b) Result is from Run# 2					

4.16 4

Report of Analysis

Client Sample ID:	PC 4 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-16	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	78.7
Method:	SW846 8015		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	WX79863.D	1	03/30/17	AF	n/a	n/a	GWX3998

Run #1	Initial Weight	Final Volume	Methanol Aliquot
Run #2	9.57 g	10.0 ml	100 ul

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	8.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4 Trifluorotoluene	101%		64-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-4 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-16	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	78.7
Method:	SW846 8081B SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BF54525.D	I	AP	03/31/17	OP49567	GBE2736
Run #2						

Initial Weight	Final Volume
Run #1 20.8 g	10.0 ml
Run #2	

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309 00 2	Aldrin	ND	0.0061	mg/kg	
319 84 6	alpha BHC	ND	0.0061	mg/kg	
319-85-7	beta-BHC	ND	0.0061	mg/kg	
319-86-8	delta-BHC	ND	0.0061	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789 03-6	Chlordane	ND	0.061	mg/kg	
60-57-1	Dieldrin	ND	0.0061	mg/kg	
72-54-8	4,4'-DDD	ND	0.0061	mg/kg	
72-55-9	4,4'-DDE	ND	0.0061	mg/kg	
50 29 3	4,4' DDT	0.0103	0.0061	mg/kg	
72 20 8	Endrin	ND	0.0061	mg/kg	
1031 07 8	Endosulfan sulfate	ND	0.0061	mg/kg	
959-98-8	Endosulfan-I	ND	0.0061	mg/kg	
33213-65-9	Endosulfan-II	ND	0.0061	mg/kg	
76-44-8	Heptachlor	ND	0.0061	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0061	mg/kg	
118 74 1	Hexachlorobenzene	ND	0.0061	mg/kg	
72-43-5	Methoxychlor	ND	0.0061	mg/kg	
53494-70-5	Endrin ketone	ND	0.0061	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877 09 8	Tetrachloro m xylene	47%		10 143%
877 09 8	Tetrachloro m xylene	65%		10 143%
2051 24 3	Decachlorobiphenyl	54%		10 172%
2051 24 3	Decachlorobiphenyl	218% ^a		10 172%

(a) Outside control limits due to possible matrix interference.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 4 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 16	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	78.7
Method:	SW846 8082A SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65076.D	I	AP	03/31/17	OP49566	GBK2075
Run #2						

Initial Weight	Final Volume
Run #1 20.8 g	10.0 ml
Run #2	

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674 11 2	Aroclor 1016	ND	0.031	mg/kg	
11104 28 2	Aroclor 1221	ND	0.031	mg/kg	
11141-16-5	Aroclor 1232	ND	0.031	mg/kg	
53469-21-9	Aroclor 1242	ND	0.031	mg/kg	
12672-29-6	Aroclor 1248	ND	0.031	mg/kg	
11097-69-1	Aroclor 1254	ND	0.031	mg/kg	
11096-82-5	Aroclor 1260	ND	0.031	mg/kg	
37324-23-5	Aroclor 1262	ND	0.031	mg/kg	
11100-14-4	Aroclor 1268	ND	0.031	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
877-09-8	Tetrachloro-m xylene	81%		25-145%	
877-09-8	Tetrachloro-m xylene	57%		25-145%	
2051-24-3	Decachlorobiphenyl	96%		25-179%	
2051-24-3	Decachlorobiphenyl	79%		25-179%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 4 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-16	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	78.7
Method:	SW846 8151 SW846 3546		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	OA125180.D	1	04/10/17	ANJ	N:OP1744	N:GOA4283
Run #2						

	Initial Weight	Final Volume
Run #1	15.6 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.020	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0041	mg/kg	
93-76-5	2,4,5-T	ND	0.0041	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
19719-28-9	2,4-DCAA	80%		10-159%	
19719-28-9	2,4-DCAA	72%		10-159%	

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 4 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-16	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	78.7
Method:	SW846 8015 SW846 3546		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4501.D	1	04/04/17	AP	OP49565	CCR1276
Run #2						

	Initial Weight	Final Volume
Run #1	15.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	207	20	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o Terphenyl	115%		17-130%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 4 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 16	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	78.7
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic ^a	10.4	2.7	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 3050B 3
Barium ^a	100	6.7	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 3050B 3
Cadmium ^a	<0.67	0.67	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 3050B 3
Chromium ^a	36.6	1.3	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 3050B 3
Lead ^a	63.5	2.7	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 3050B 3
Mercury ^a	0.058	0.039	mg/kg	1	04/01/17	04/01/17	ANJ	SW846 7471B 4
Selenium ^a	<2.7	2.7	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 3050B 3
Silver ^a	0.75	0.67	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 3050B 3

- (1) Instrument QC Batch: N:MA41691
(2) Instrument QC Batch: N:MA41707
(3) Prep QC Batch: N:MP99632
(4) Prep QC Batch: N:MP99635

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 4 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 16	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	78.7
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity ^a	<12	12	mg/kg	1	04/03/17 12:21	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) ^a	>200		Deg. F	1	04/05/17 16:35	ANJ	SW846 1010A/AS1M D83
Solids, Percent ^a	78.7		%	1	04/03/17 19:15	ANJ	SM2540 G-97
Specific Conductivity ^a	367	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity ^a	<120	120	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH ^a	8.10		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

4.17

4

Client Sample ID:	PC-5 0-5'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 17	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	88.0
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	128	2.3	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C ¹ SW846 3050B ²

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99632

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

4.18

4

Client Sample ID:	PC 5 5 10'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-18	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	79.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	13.2	2.5	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C ¹ SW846 3050B ²

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99632

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 5 10 15'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 19	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	82.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analytic	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	16.9	2.4	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C ¹
								SW846 3050B ²

(1) Instrument QC Batch: N:MA41707

(2) Prep QC Batch: N:MP99632

(a) Analysis performed at SGS Accutest, Dayton, NJ.

4.19 4

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-5 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 20	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	79.0
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83293.D	1	03/30/17	DRY	n/a	n/a	MSM3002
Run #2							

Run #	Initial Weight	Final Volume
Run #1	5.48 g	5.0 ml
Run #2		

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone a	0.0375	0.012	mg/kg	
71-43-2	Benzene	ND	0.0058	mg/kg	
108-86-1	Bromobenzene	ND	0.0058	mg/kg	
74-97-5	Bromochloromethane	ND	0.0058	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0023	mg/kg	
75-25-2	Bromoform	ND	0.0023	mg/kg	
74-83-9	Bromomethane	ND	0.012	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.012	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0058	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0058	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0058	mg/kg	
75-15-0	Carbon disulfide	ND	0.0058	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0023	mg/kg	
108-90-7	Chlorobenzene	ND	0.0023	mg/kg	
75-00-3	Chloroethane	ND	0.012	mg/kg	
67-66-3	Chloroform	ND	0.0023	mg/kg	
74-87-3	Chloromethane	ND	0.0058	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0058	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0058	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0023	mg/kg	
96-12-8	1,2-Dibromo 3-chloropropane	ND	0.0058	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0058	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0023	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0023	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0023	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0023	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0058	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0023	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0023	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0023	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0023	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0023	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 5 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 20	Date Received:	03/29/17
Matrix:	SO Soil	Percent Solids:	79.0
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.20 4

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78 87 5	1,2 Dichloropropane	ND	0.0023	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0058	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0058	mg/kg	
563-58-6	1,1-Dichloropropane	ND	0.0058	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0023	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0023	mg/kg	
123-91-1	1,4-Dioxane	ND	0.14	mg/kg	
60-29-7	Ethyl Ether	ND	0.0058	mg/kg	
100-41-4	Ethylbenzene	0.0031	0.0023	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0058	mg/kg	
591-78-6	2-Hexanone	ND	0.0058	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0058	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0058	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0023	mg/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	0.0058	mg/kg	
74-95-3	Methylene bromide	ND	0.0058	mg/kg	
75-09-2	Methylene chloride	ND	0.0023	mg/kg	
91-20-3	Naphthalene	ND	0.0058	mg/kg	
103-65-1	n Propylbenzene	ND	0.0058	mg/kg	
100-42-5	Styrene	ND	0.0058	mg/kg	
994-05-8	tert Amyl Methyl Ether	ND	0.0058	mg/kg	
637-92-3	tert Butyl Ethyl Ether	ND	0.0023	mg/kg	
630-20-6	1,1,1,2 Tetrachloroethane	ND	0.0023	mg/kg	
79-34-5	1,1,2,2 Tetrachloroethane	ND	0.0058	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0023	mg/kg	
109-99-9	Tetrahydrofuran	ND	0.012	mg/kg	
108-88-3	Toluene	ND	0.0058	mg/kg	
87-61-6	1,2,3 Trichlorobenzene	ND	0.0058	mg/kg	
120-82-1	1,2,4 Trichlorobenzene	ND	0.0058	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0023	mg/kg	
79-00-5	1,1,2 Trichloroethane	ND	0.0023	mg/kg	
79-01-6	Trichloroethene	ND	0.0023	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0023	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0058	mg/kg	
95-63-6	1,2,4 Trimethylbenzene	ND	0.0058	mg/kg	
108-67-8	1,3,5 Trimethylbenzene	ND	0.0058	mg/kg	
75-01-4	Vinyl chloride	ND	0.012	mg/kg	
95-47-6	m,p-Xylene	0.0159	0.0023	mg/kg	
1330-20-7	o Xylene	0.0066	0.0023	mg/kg	
	Xylene (total)	0.0225	0.0023	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 5 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-20	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	79.0
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.20 4

VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	136%		65-141%
2037-26-5	Toluene-D8	114%		65-129%
460-00-4	4-Bromofluorobenzene	107%		63-137%

(a) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 50 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 20	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	79.0
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	R51607.D	1	04/04/17	DRY	03/31/17	OP49564	MSR1939

Run #1	Initial Weight	Final Volume
Run #2	21.0 g	1.0 ml

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.60	mg/kg	
95-57-8	2-Chlorophenol	ND	0.30	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.60	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.60	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.60	mg/kg	
51-28-5	2,4-Dinitrophenol a	ND	0.60	mg/kg	
95-48-7	2-Methylphenol	ND	0.60	mg/kg	
	3&4-Methylphenol	ND	0.60	mg/kg	
88-75-5	2-Nitrophenol	ND	0.60	mg/kg	
100-02-7	4-Nitrophenol	ND	0.60	mg/kg	
87-86-5	Pentachlorophenol	ND	0.60	mg/kg	
108-95-2	Phenol	ND	0.30	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.60	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.60	mg/kg	
83-32-9	Acenaphthene	0.184	0.12	mg/kg	
208-96-8	Acenaphthylene	0.485	0.12	mg/kg	
98-86-2	Acetophenone	ND	0.60	mg/kg	
62-53-3	Aniline	ND	0.60	mg/kg	
120-12-7	Anthracene	0.529	0.12	mg/kg	
56-55-3	Benzo(a)anthracene	2.17	0.12	mg/kg	
50-32-8	Benzo(a)pyrene	2.04	0.30	mg/kg	
205-99-2	Benzo(b)fluoranthene	1.74	0.12	mg/kg	
191-24-2	Benzo(g,h,i)perylene	1.24	0.12	mg/kg	
207-08-9	Benzo(k)fluoranthene	1.74	0.12	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.30	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.30	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.60	mg/kg	
106-47-8	4-Chloroaniline	ND	0.12	mg/kg	
218-01-9	Chrysene	2.16	0.30	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.30	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.30	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.30	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-50 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-20	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	79.0
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.30	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.30	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.30	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.30	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.60	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.60	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.60	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.426	0.12	mg/kg	
132-64-9	Dibenzofuran	0.128	0.12	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.30	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.30	mg/kg	
84-66-2	Diethyl phthalate	ND	0.30	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.30	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.30	mg/kg	
206-44-0	Fluoranthene	4.11	0.12	mg/kg	
86-73-7	Fluorene	0.194	0.12	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.30	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.30	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.60	mg/kg	
67-72-1	Hexachloroethane	ND	0.30	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1.39	0.30	mg/kg	
78-59-1	Isophorone	ND	0.30	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.12	mg/kg	
91-20-3	Naphthalene	ND	0.12	mg/kg	
98-95-3	Nitrobenzene	ND	0.30	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.30	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.30	mg/kg	
85-01-8	Phenanthrene	2.40	0.12	mg/kg	
129-00-0	Pyrene	3.91	0.12	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.30	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
367-12-4	2-Fluorophenol	75%		25-109%	
4165-62-2	Phenol d5	81%		29-113%	
118-79-6	2,4,6-Tribromophenol	92%		20-141%	
4165-60-0	Nitrobenzene-d5	73%		27-115%	
321-60-8	2-Fluorobiphenyl	83%		34-118%	
1718-51-0	Terphenyl d14	96%		42-139%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-5 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-20	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	79.0
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.					

Report of Analysis

Client Sample ID:	PC-5 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-20	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	79.0
Method:	SW846 8015		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WX79864.D	1	03/30/17	AF	n/a	n/a	GWX3998
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	9.44 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	8.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	103%		64-127%

NID = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 5 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 20	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	79.0
Method:	SW846 8081B SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	BF54526.D	1	04/04/17	AP	03/31/17	OP49567	GBE2736

Run #1	Initial Weight	Final Volume
Run #2	20.5 g	10.0 ml

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309 00-2	Aldrin	ND	0.0062	mg/kg	
319-84-6	alpha-BHC	ND	0.0062	mg/kg	
319 85 7	beta BHC	ND	0.0062	mg/kg	
319-86-8	delta-BHC	ND	0.0062	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.062	mg/kg	
60-57-1	Dieldrin	ND	0.0062	mg/kg	
72-54-8	4,4'-DDD	ND	0.0062	mg/kg	
72-55-9	4,4'-DDE	ND	0.0062	mg/kg	
50-29-3	4,4'-DDT	ND	0.0062	mg/kg	
72 20 8	Endrin	ND	0.0062	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0062	mg/kg	
959-98-8	Endosulfan I	ND	0.0062	mg/kg	
33213-65-9	Endosulfan II	ND	0.0062	mg/kg	
76-44-8	Heptachlor	ND	0.0062	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0062	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0062	mg/kg	
72-43-5	Methoxychlor	ND	0.0062	mg/kg	
53494-70-5	Endrin ketone	ND	0.0062	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	60%		10-143%
877-09-8	Tetrachloro-m-xylene	71%		10-143%
2051-24-3	Decachlorobiphenyl	62%		10-172%
2051 24 3	Decachlorobiphenyl	142%		10 172%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 5 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-20	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	79.0
Method:	SW846 8082A SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	BK65077.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075

Run #1	Initial Weight	Final Volume
Run #2	20.5 g	10.0 ml

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674 11 2	Aroclor 1016	ND	0.031	mg/kg	
11104 28 2	Aroclor 1221	ND	0.031	mg/kg	
11141 16 5	Aroclor 1232	ND	0.031	mg/kg	
53469-21-9	Aroclor 1242	ND	0.031	mg/kg	
12672-29-6	Aroclor 1248	ND	0.031	mg/kg	
11097-69-1	Aroclor 1254	ND	0.031	mg/kg	
11096-82-5	Aroclor 1260	ND	0.031	mg/kg	
37324-23-5	Aroclor 1262	ND	0.031	mg/kg	
11100-14-4	Aroclor 1268	ND	0.031	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877 09 8	Tetrachloro m xylene	76%		25 145%
877-09-8	Tetrachloro-m-xylene	63%		25-145%
2051-24-3	Decachlorobiphenyl	86%		25-179%
2051-24-3	Decachlorobiphenyl	76%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 50 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-20	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	79.0
Method:	SW846 8151/3550C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	OA125128.D	1	04/07/17	ANJ	N:OP1615	N:GOA4281
Run #2						

Initial Weight	Final Volume
Run #1 16.1 g	5.0 ml
Run #2	

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.020	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0039	mg/kg	
93-76-5	2,4,5-T	ND	0.0039	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
19719-28-9	2,4-DCAA	90%		10-159%	
19719-28-9	2,4-DCAA	60%		10-159%	

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 50 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-20	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	79.0
Method:	SW846-8015 SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4494.D	1	04/04/17	AP	OP49565	GCR1276
Run #2						

Initial Weight	Final Volume
Run #1 15.6 g	1.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	58.4	20	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	96%		17-130%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PC-5 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-20	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	79.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic ^a	12.4	2.6	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C ²
Barium ^a	103	6.4	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C ²
Cadmium ^a	<0.64	0.64	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C ²
Chromium ^a	40.6	1.3	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C ²
Lead ^a	56.6	2.6	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C ²
Mercury ^a	0.51	0.039	mg/kg	1	04/01/17	04/01/17	ANJ	SW846 7471B ¹
Selenium ^a	<2.6	2.6	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C ²
Silver ^a	<0.64	0.64	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C ²

(1) Instrument QC Batch: N:MA41691

(2) Instrument QC Batch: N:MA41707

(3) Prep QC Batch: N:MP99632

(4) Prep QC Batch: N:MP99635

(a) Analysis performed at SCS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	PC 5 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-20	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	79.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity ^a	<12	12	mg/kg	1	04/03/17 12:22	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) ^a	>200		Deg. F	1	04/05/17 16:35	ANJ	SW846 1010A/ASTM D93
Solids, Percent ^a	79		%	1	04/03/17 19:15	ANJ	SM2540 C-97
Specific Conductivity ^a	812	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity ^a	<120	120	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH ^a	7.88		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 6 0 5'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-21	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	84.4
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	67.4	2.3	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C ¹
								SW846 3050B ²

- (1) Instrument QC Batch: N:MA41699
(2) Prep QC Batch: N:MP99633

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 6 5 10'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 22	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	93.4
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	2.5	2.0	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C ¹
								SW846 3050R ²

- (1) Instrument QC Batch: N:MA41699
(2) Prep QC Batch: N:MP99633

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	PC 6 10 15'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-23	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	81.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead a	10	2.4	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C ¹

(1) Instrument QC Batch: N:MA41699

(2) Prep QC Batch: N:MP99633

(a) Analysis performed at SGS Accutest, Dayton, NJ.

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RL = Reporting Limit

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Report of Analysis

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Client Sample ID:	PC 6 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 24	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.2
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83354.D	1	04/04/17	DRY	n/a	n/a	MSM3005
Run #2							

Run #	Initial Weight	Final Volume
Run #1	5.31 g	5.0 ml
Run #2		

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	0.011	mg/kg	
71-43-2	Benzene	ND	0.00054	mg/kg	
108-86-1	Bromobenzene	ND	0.0054	mg/kg	
74-97-5	Bromochloromethane	ND	0.0054	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0022	mg/kg	
75-25-2	Bromoform	ND	0.0022	mg/kg	
74-83-9	Bromomethane	ND	0.011	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0054	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0054	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0054	mg/kg	
75-15-0	Carbon disulfide	ND	0.0054	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0022	mg/kg	
108-90-7	Chlorobenzene	ND	0.0022	mg/kg	
75-00-3	Chloroethane	ND	0.011	mg/kg	
67-66-3	Chloroform	ND	0.0022	mg/kg	
74-87-3	Chloromethane	ND	0.0054	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0054	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0054	mg/kg	
108-20-3	Di Isopropyl ether	ND	0.0022	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0054	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0054	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0022	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0022	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0022	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0022	mg/kg	
75-71-8	Dichlorodifluoromethane ^a	ND	0.0054	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0022	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0022	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0022	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0022	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0022	mg/kg	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	PC-6 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-24	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.2
Method:	SW846 8260C		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

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VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	0.0022	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0054	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0054	mg/kg	
563-58-6	1,1-Dichloropropane	ND	0.0054	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0022	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0022	mg/kg	
123-91-1	1,4-Dioxane	ND	0.13	mg/kg	
60-29-7	Ethyl Ether	ND	0.0054	mg/kg	
100-41-4	Ethylbenzene	ND	0.0022	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0054	mg/kg	
591-78-6	2-Hexanone	ND	0.0054	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0054	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0054	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0022	mg/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	0.0054	mg/kg	
74-95-3	Methylene bromide	ND	0.0054	mg/kg	
75-09-2	Methylene chloride	ND	0.0022	mg/kg	
91-20-3	Naphthalene	0.0339	0.0054	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0054	mg/kg	
100-42-5	Styrene	ND	0.0054	mg/kg	
994-05-8	tert-Amyl Methyl Ether	ND	0.0054	mg/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	0.0022	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0022	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0054	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0022	mg/kg	
109-99-9	Tetrahydrofuran	ND	0.011	mg/kg	
108-88-3	Toluene	ND	0.0054	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0054	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0054	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0022	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0022	mg/kg	
79-01-6	Trichloroethene	ND	0.0022	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0022	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0054	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0054	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0054	mg/kg	
75-01-4	Vinyl chloride	ND	0.011	mg/kg	
95-47-6	m,p-Xylene	ND	0.0022	mg/kg	
1330-20-7	o-Xylene	ND	0.0022	mg/kg	
	Xylene (total)	ND	0.0022	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-6 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-24	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.2
Method:	SW846 8260C		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.24



VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	141%		65-141%
2037-26-5	Toluene D8	108%		65-129%
460-00-4	4-Bromofluorobenzene	102%		63-137%

(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 6 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-24	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.2
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R51608.D	1	04/04/17	DRY	03/31/17	OP49564	MSR1939
Run #2	R51626.D	5	04/05/17	DRY	03/31/17	OP49564	MSR1940

Run #	Initial Weight	Final Volume
Run #1	20.5 g	1.0 ml
Run #2	20.5 g	1.0 ml

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.56	mg/kg	
95-57-8	2-Chlorophenol	ND	0.28	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.56	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.56	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.56	mg/kg	
51-28-5	2,4-Dinitrophenol a	ND	0.56	mg/kg	
95-48-7	2-Methylphenol	ND	0.56	mg/kg	
	3&4-Methylphenol	ND	0.56	mg/kg	
88-75-5	2-Nitrophenol	ND	0.56	mg/kg	
100-02-7	4-Nitrophenol	ND	0.56	mg/kg	
87-86-5	Pentachlorophenol	ND	0.56	mg/kg	
108-95-2	Phenol	ND	0.28	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.56	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.56	mg/kg	
83-32-9	Acenaphthene	0.692	0.11	mg/kg	
208-96-8	Acenaphthylene	1.09	0.11	mg/kg	
98-86-2	Acetophenone	ND	0.56	mg/kg	
62-53-3	Aniline	ND	0.56	mg/kg	
120-12-7	Anthracene	2.30	0.11	mg/kg	
56-55-3	Benzo(a)anthracene	7.67	0.11	mg/kg	
50-32-8	Benzo(a)pyrene	8.75	0.28	mg/kg	
205-99-2	Benzo(b)fluoranthene	8.03	0.11	mg/kg	
191-24-2	Benzo(g,h,i)perylene	5.18	0.11	mg/kg	
207-08-9	Benzo(k)fluoranthene	4.56	0.11	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.28	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.28	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.28	mg/kg	
106-47-8	4-Chloroaniline	ND	0.56	mg/kg	
218-01-9	Chrysene	8.43	0.11	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.28	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.28	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.28	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 6 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-24	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.2
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.28	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.28	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.28	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.28	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.56	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.56	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.56	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	1.49	0.11	mg/kg	
132-64-9	Dibenzofuran	ND	0.11	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.28	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.28	mg/kg	
84-66-2	Diethyl phthalate	ND	0.28	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.28	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.28	mg/kg	
206-44-0	Fluoranthene	21.6 b	0.56	mg/kg	
86-73-7	Fluorene	0.866	0.11	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.28	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.28	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.56	mg/kg	
67-72-1	Hexachloroethane	ND	0.28	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	5.47	0.28	mg/kg	
78-59-1	Isophorone	ND	0.28	mg/kg	
91-57-6	2-Methylnaphthalene	0.329	0.11	mg/kg	
91-20-3	Naphthalene	0.706	0.11	mg/kg	
98-95-3	Nitrobenzene	ND	0.28	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.28	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.28	mg/kg	
85-01-8	Phenanthrene	15.1 b	0.56	mg/kg	
129-00-0	Pyrene	20.0 b	0.56	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.28	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	72%	79%	25 109%
4165-62-2	Phenol-d5	78%	79%	29 113%
118-79-6	2,4,6-Tribromophenol	87%	89%	20 141%
4165-60-0	Nitrobenzene-d5	70%	73%	27 115%
321-60-8	2-Fluorobiphenyl	77%	83%	34 118%
1718-51-0	Terphenyl d14	87%	97%	42 139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 6 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 24	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.2
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.					
(b) Result is from Run# 2					

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Report of Analysis

Client Sample ID:	PC-6 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 24	Date Received:	03/29/17
Matrix:	SO Soil	Percent Solids:	87.2
Method:	SW846 8015		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	WX79865.D	1	03/30/17	AF	n/a	n/a	CWX3998

Run #1	Initial Weight	Final Volume	Methanol Aliquot
Run #2	9.24 g	10.0 ml	100 ul

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	6.9	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
	2,3,4 Trifluorotoluene	103%		64 127%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS
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ACCUTEST

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	PC 6 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 24	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.2
Method:	SW846 8081B SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE54527.D	1	AP	03/31/17	OP49567	GBE2736
Run #2						

	Initial Weight	Final Volume
Run #1	20.4 g	10.0 ml
Run #2		

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0056	mg/kg	
319-84-6	alpha-BHC	ND	0.0056	mg/kg	
319-85-7	beta-BHC	ND	0.0056	mg/kg	
319-86-8	delta-BHC	ND	0.0056	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.056	mg/kg	
60-57-1	Dieldrin	ND	0.0056	mg/kg	
72-54-8	4,4'-DDD	ND	0.0056	mg/kg	
72-55-9	4,4'-DDE	ND	0.0056	mg/kg	
50-29-3	4,4'-DDT	0.0449	0.0056	mg/kg	
72-20-8	Endrin	ND	0.0056	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0056	mg/kg	
959-98-8	Endosulfan I	ND	0.0056	mg/kg	
33213-65-9	Endosulfan II	ND	0.0056	mg/kg	
76-44-8	Heptachlor	ND	0.0056	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0056	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0056	mg/kg	
72-43-5	Methoxychlor	ND	0.0056	mg/kg	
53494-70-5	Endrin ketone	ND	0.0056	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877 09 8	Tetrachloro m xylene	40%		10-143%
877 09 8	Tetrachloro m xylene	63%		10-143%
2051-24-3	Decachlorobiphenyl	707% ^a		10-172%
2051-24-3	Decachlorobiphenyl	841% ^a		10-172%

(a) Outside control limits due to possible matrix interference. Sample results confirmed by reanalysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 6 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 24	Date Received:	03/29/17
Matrix:	SO Soil	Percent Solids:	87.2
Method:	SW846 8082A SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65078.D	1	AP	03/31/17	OP49566	GBK2075
Run #2						

	Initial Weight	Final Volume
Run # 1	20.4 g	10.0 ml
Run # 2		

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.028	mg/kg	
11104-28-2	Aroclor 1221	ND	0.028	mg/kg	
11141-16-5	Aroclor 1232	ND	0.028	mg/kg	
53469-21-9	Aroclor 1242	ND	0.028	mg/kg	
12672-29-6	Aroclor 1248	ND	0.028	mg/kg	
11097-69-1	Aroclor 1254	ND	0.028	mg/kg	
11096-82-5	Aroclor 1260	ND	0.028	mg/kg	
37324-23-5	Aroclor 1262	ND	0.028	mg/kg	
11100-14-4	Aroclor 1268	ND	0.028	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
877 09 8	Tetrachloro m xylene	81%		25-145%	
877-09-8	Tetrachloro-m-xylene	55%		25-145%	
2051-24-3	Decachlorobiphenyl	87%		25-179%	
2051-24-3	Decachlorobiphenyl	65%		25-179%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-6.0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 24	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.2
Method:	SW846 8151 SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA125181.D	1	ANJ	04/08/17	N:OP1744	N:GOA4283
Run #2						

Initial Weight	Final Volume
Run #1 15.8 g	5.0 ml
Run #2	

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.018	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0036	mg/kg	
93-76-5	2,4,5-T	ND	0.0036	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719 28 9	2,4-DCAA	86%		10-159%
19719 28 9	2,4-DCAA	85%		10-159%

(a) Analysis performed at SGS Accutest, Dayton, NJ.

NID = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-6.0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 24	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.2
Method:	SW846 8015 SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4503.D	1	AP	03/31/17	OP49565	GCR1276
Run #2						

Initial Weight	Final Volume
Run #1 15.4 g	1.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	423	19	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	112%		17-130%

NID = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-6 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-24	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic ^a	4.3	2.4	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 3050B 3
Barium ^a	58.0	5.9	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C 2
Cadmium ^a	<0.59	0.59	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C 2
Chromium ^a	17.7	1.2	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 3050B 3
Lead ^a	24.2	2.4	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 3050B 3
Mercury ^a	<0.036	0.036	mg/kg	1	04/01/17	04/01/17	ANJ	SW846 7471B 4
Selenium ^a	<2.4	2.4	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C 2
Silver ^a	<0.59	0.59	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 3050B 3

(1) Instrument QC Batch: N:MA41691

(2) Instrument QC Batch: N:MA41699

(3) Prep QC Batch: N:MP99633

(4) Prep QC Batch: N:MP99635

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-6 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-24	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.24 4

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity ^a	<11	11	mg/kg	1	04/03/17 12:27	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) ^a	>200		Deg. F	1	04/05/17 16:35	ANJ	SW846 1010A/ASTM D93
Solids, Percent ^a	87.2		%	1	04/03/17 19:15	ANJ	SM2540 C-97
Specific Conductivity ^a	169	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW950AM
Sulfide Reactivity ^a	<110	110	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH ^a	7.33		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

4.254

Client Sample ID:	PC-7 0-5'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 25	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	156	2.4	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C ¹ SW846 3050B ²

(1) Instrument QC Batch: N:MA41699
(2) Prep QC Batch: N:MP99633

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

4.264

Client Sample ID:	PC-7 5-10'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 26	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	89.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	4.2	2.2	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C ¹ SW846 3050B ²

(1) Instrument QC Batch: N:MA41699
(2) Prep QC Batch: N:MP99633

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 7 10 15'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-27	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	85.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analytic	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead a	5.7	2.3	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C ¹ SW846 3050B ²

(1) Instrument QC Batch: N:MA41699

(2) Prep QC Batch: N:MP99633

(a) Analysis performed at SGS Accutest, Dayton, NJ.

4.27 4

Report of Analysis

Client Sample ID:	PC 7 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-28	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.0
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	M83305.D	1	03/31/17	DRY	n/a	n/a	MSM3003

Run #1	Initial Weight	Final Volume
Run #2	5.41 g	5.0 ml

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone a	0.0242	0.011	mg/kg	
71-43-2	Benzene	ND	0.00056	mg/kg	
108-86-1	Bromobenzene	ND	0.0056	mg/kg	
74-97-5	Bromochloromethane	ND	0.0056	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0022	mg/kg	
75-25-2	Bromoforn	ND	0.0022	mg/kg	
74-83-9	Bromomethane	ND	0.011	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0056	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0056	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0056	mg/kg	
75-15-0	Carbon disulfide	ND	0.0056	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0022	mg/kg	
108-90-7	Chlorobenzene	ND	0.0022	mg/kg	
75-00-3	Chloroethane	ND	0.011	mg/kg	
67-66-3	Chloroform	ND	0.0022	mg/kg	
74-87-3	Chloromethane	ND	0.0056	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0056	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0056	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0022	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0056	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0056	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0022	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0022	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0022	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0022	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0056	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0022	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0022	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0022	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0022	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0022	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 7 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 28	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.0
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	0.0022	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0056	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0056	mg/kg	
563-58-6	1,1-Dichloropropane	ND	0.0056	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0022	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0022	mg/kg	
123-91-1	1,4-Dioxane	ND	0.14	mg/kg	
60-29-7	Ethyl Ether	ND	0.0056	mg/kg	
100-41-4	Ethylbenzene	ND	0.0022	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0056	mg/kg	
591-78-6	2-Hexanone	ND	0.0056	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0056	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0056	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0022	mg/kg	
108-10-1	4 Methyl 2 pentanone (MIBK)	ND	0.0056	mg/kg	
74-95-3	Methylene bromide	ND	0.0056	mg/kg	
75-09-2	Methylene chloride	ND	0.0022	mg/kg	
91-20-3	Naphthalene	ND	0.0056	mg/kg	
103-65-1	n Propylbenzene	ND	0.0056	mg/kg	
100-42-5	Styrene	ND	0.0056	mg/kg	
994-05-8	tert Amyl Methyl Ether	ND	0.0056	mg/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	0.0022	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0022	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0056	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0022	mg/kg	
109-99-9	Tetrahydrofuran	ND	0.011	mg/kg	
108-88-3	Toluene	ND	0.0056	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0056	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0056	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0022	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0022	mg/kg	
79-01-6	Trichloroethene	ND	0.0022	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0022	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0056	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0056	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0056	mg/kg	
75-01-4	Vinyl chloride	ND	0.011	mg/kg	
95-47-6	m,p Xylene	ND	0.0022	mg/kg	
1330-20-7	o-Xylene	ND	0.0022	mg/kg	
	Xylene (total)	ND	0.0022	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 7 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 28	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.0
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	127%		65-141%
2037-26-5	Toluene-D8	104%		65-129%
460-00-4	4-Bromofluorobenzene	106%		63-137%

(a) Initial and Continuing Calibration Verification outside of acceptance criteria. Result may be biased high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 7 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 28	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.0
Method:	SW846 8270D		
Project:	SW846 8270D SW846 3546		
	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R51609.D	1	04/04/17	DRY	03/31/17	OP49564	MSR1939
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.7 g	1.0 ml
Run #2		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.58	mg/kg	
95-57-8	2-Chlorophenol	ND	0.29	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.58	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.58	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.58	mg/kg	
51-28-5	2,4-Dinitrophenol a	ND	0.58	mg/kg	
95-48-7	2-Methylphenol	ND	0.58	mg/kg	
	3&4-Methylphenol	ND	0.58	mg/kg	
88-75-5	2-Nitrophenol	ND	0.58	mg/kg	
100-02-7	4-Nitrophenol	ND	0.58	mg/kg	
87-86-5	Pentachlorophenol	ND	0.58	mg/kg	
108-95-2	Phenol	ND	0.29	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.58	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.58	mg/kg	
83-32-9	Acenaphthene	ND	0.12	mg/kg	
208-96-8	Acenaphthylene	ND	0.12	mg/kg	
98-86-2	Acetophenone	ND	0.58	mg/kg	
62-53-3	Aniline	ND	0.12	mg/kg	
120-12-7	Anthracene	ND	0.12	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.12	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.29	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.12	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.12	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.12	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.29	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.29	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.29	mg/kg	
106-47-8	4-Chloroaniline	ND	0.58	mg/kg	
218-01-9	Chrysene	ND	0.12	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.29	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.29	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.29	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 7 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 28	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.0
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.29	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.29	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.29	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.29	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.58	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.58	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.58	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.12	mg/kg	
132-64-9	Dibenzofuran	ND	0.12	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.29	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.29	mg/kg	
84-66-2	Diethyl phthalate	ND	0.29	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.29	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.29	mg/kg	
206-44-0	Fluoranthene	0.254	0.12	mg/kg	
86-73-7	Fluorene	ND	0.12	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.29	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.29	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.58	mg/kg	
67-72-1	Hexachloroethane	ND	0.29	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.29	mg/kg	
78-59-1	Isophorone	ND	0.29	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.12	mg/kg	
91-20-3	Naphthalene	ND	0.12	mg/kg	
98-95-3	Nitrobenzene	ND	0.29	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.29	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.29	mg/kg	
85-01-8	Phenanthrene	0.136	0.12	mg/kg	
129-00-0	Pyrene	0.238	0.12	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.29	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	77%		25-109%
4165-62-2	Phenol d5	82%		29-113%
118-79-6	2,4,6-Tribromophenol	92%		20-141%
4165-60-0	Nitrobenzene-d5	73%		27-115%
321-60-8	2-Fluorobiphenyl	81%		34-118%
1718-51-0	Terphenyl d14	91%		42-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 7 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 28	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.0
Method:	SW846 8270D SW846 3546		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.					

4.28 4

Report of Analysis

Client Sample ID:	PC 7 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 28	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.0
Method:	SW846 8015		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	WX79866.D	1	03/30/17	AF	n/a	n/a	GWX3998

Run #1	Initial Weight	Final Volume	Methanol Aliquot
Run #2	10.2 g	10.0 ml	100 ul

CAS No.	Compound	Result	RL	Units	Q
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TPH-GRO (VOA) ND 7.0 mg/kg

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
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2,3,4 Trifluorotoluene 105% 64 127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 7 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 28	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.0
Method:	SW846 8081B SW846 3546		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BF54528.D	1	AP	03/31/17	OP49567	GBF2736
Run #2						

	Initial Weight	Final Volume
Run #1	20.6 g	10.0 ml
Run #2		

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309 00 2	Aldrin	ND	0.0058	mg/kg	
319 84 6	alpha-BHC	ND	0.0058	mg/kg	
319 85 7	beta-BHC	ND	0.0058	mg/kg	
319 86 8	delta-BHC	ND	0.0058	mg/kg	
58 89 9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789 03 6	Chlordane	ND	0.058	mg/kg	
60 57 1	Dieldrin	ND	0.0058	mg/kg	
72 54 8	4,4'-DDD	ND	0.0058	mg/kg	
72 55 9	4,4'-DDE	ND	0.0058	mg/kg	
50 29 3	4,4'-DDT	ND	0.0058	mg/kg	
72 20 8	Endrin	ND	0.0058	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0058	mg/kg	
959-98 8	Endosulfan-I	ND	0.0058	mg/kg	
33213-65-9	Endosulfan-II	ND	0.0058	mg/kg	
76 44 8	Heptachlor	ND	0.0058	mg/kg	
1024 57 3	Heptachlor epoxide	ND	0.0058	mg/kg	
118 74 1	Hexachlorobenzene	ND	0.0058	mg/kg	
72 43 5	Methoxychlor	ND	0.0058	mg/kg	
53494 70 5	Endrin ketone	ND	0.0058	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877 09 8	Tetrachloro m xylene	83%		10 143%
877 09 8	Tetrachloro m xylene	81%		10 143%
2051 24 3	Decachlorobiphenyl	65%		10 172%
2051-24 3	Decachlorobiphenyl	86%		10-172%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 7 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 28	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.0
Method:	SW846 8082A SW846 3546		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65079.D	1	AP	03/31/17	OP49566	GBK2075
Run #2						

	Initial Weight	Final Volume
Run #1	20.6 g	10.0 ml
Run #2		

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674 11 2	Aroclor 1016	ND	0.029	mg/kg	
11104 28 2	Aroclor 1221	ND	0.029	mg/kg	
11141 16 5	Aroclor 1232	ND	0.029	mg/kg	
53469-21-9	Aroclor 1242	ND	0.029	mg/kg	
12672-29-6	Aroclor 1248	ND	0.029	mg/kg	
11097-69-1	Aroclor 1254	ND	0.029	mg/kg	
11096 82 5	Aroclor 1260	ND	0.029	mg/kg	
37324 23 5	Aroclor 1262	ND	0.029	mg/kg	
11100 14 4	Aroclor 1268	ND	0.029	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09 8	Tetrachloro m xylene	90%		25-145%
877-09 8	Tetrachloro m xylene	80%		25-145%
2051-24 3	Decachlorobiphenyl	98%		25-179%
2051-24 3	Decachlorobiphenyl	89%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 7 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 28	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.0
Method:	SW846 8151 SW846 3546		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G107743.D	1	04/10/17	ANJ	N:OP1744	N:C3G3757
Run #2						

Initial Weight	Final Volume
Run #1 15.3 g	5.0 ml
Run #2	

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.020	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0039	mg/kg	
93-76-5	2,4,5-T	ND	0.0039	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
19719-28-9	2,4-DCAA	67%		10-159%	
19719-28-9	2,4-DCAA	90%		10-159%	

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 7 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-28	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.0
Method:	SW846 8015 SW846 3546		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4495.D	1	04/04/17	AP	OP49565	GCR1276
Run #2						

Initial Weight	Final Volume
Run #1 15.6 g	1.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
	TPH:DRO (Semi-VOA)	ND	19	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84 15 1	o Terphenyl	94%		17 130%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PC 70 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-28	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.28 4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic ^a	9.2	2.4	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C 2
Barium ^a	56.2	6.0	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C 2
Cadmium ^a	<0.60	0.60	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C 2
Chromium ^a	23.0	1.2	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C 2
Lead ^a	40.7	2.4	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C 2
Mercury ^a	0.099	0.037	mg/kg	1	04/01/17	04/01/17	ANJ	SW846 7471B 1
Selenium ^a	<2.4	2.4	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C 2
Silver ^a	2.5	0.60	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C 2

(1) Instrument QC Batch: N:MA41691

(2) Instrument QC Batch: N:MA41699

(3) Prep QC Batch: N:MP99633

(4) Prep QC Batch: N:MP99635

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	PC-70-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-28	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.28 4

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity ^a	<11	11	mg/kg	1	04/03/17 12:28	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) ^a	>200		Deg. F	1	04/05/17 16:35	ANJ	SW846 1010A/ASTM D93
Solids, Percent ^a	83		%	1	04/03/17 19:15	ANJ	SM2540 G-97
Specific Conductivity ^a	311	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity ^a	<110	110	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH ^a	7.83		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

4.294

Client Sample ID:	PC-8 0.5'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 29	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	76.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	104	2.6	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C ¹ SW846 3050B ²

- (1) Instrument QC Batch: N:MA41699
(2) Prep QC Batch: N:MP99633

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

4.304

Client Sample ID:	PC 8 5 10'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 30	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	91.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	2.9	2.2	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C ¹ SW846 3050B ²

- (1) Instrument QC Batch: N:MA41699
(2) Prep QC Batch: N:MP99633

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	PC 8 10 15'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-31	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	79.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method	
Lead ^a	12.9	2.5	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: N:MA41699

(2) Prep QC Batch: N:MP99633

(a) Analysis performed at SGS Accutest, Dayton, NJ.

Report of Analysis

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Client Sample ID:	PC-8 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-32	Date Received:	03/29/17
Matrix:	SO Soil	Percent Solids:	87.1
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83306.D	1	03/31/17	DRY	n/a	n/a	MSM3003
Run #2							

Run #	Initial Weight	Final Volume
Run #1	5.54 g	5.0 ml
Run #2		

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone ^a	0.0235	0.010	mg/kg	
71-43-2	Benzene	ND	0.00052	mg/kg	
108-86-1	Bromobenzene	ND	0.0052	mg/kg	
74-97-5	Bromochloromethane	ND	0.0052	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0021	mg/kg	
75-25-2	Bromoform	ND	0.0021	mg/kg	
74-83-9	Bromomethane	ND	0.010	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.010	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0052	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0052	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0052	mg/kg	
75-15-0	Carbon disulfide	ND	0.0052	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0021	mg/kg	
108-90-7	Chlorobenzene	ND	0.0021	mg/kg	
75-00-3	Chloroethane	ND	0.010	mg/kg	
67-66-3	Chloroform	ND	0.0021	mg/kg	
74-87-3	Chloromethane	ND	0.0052	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0052	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0052	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0021	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0052	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0052	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0021	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0021	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0021	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0021	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0052	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0021	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0021	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0021	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0021	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0021	mg/kg	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 8 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 32	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.1
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.32

4

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78 87 5	1,2 Dichloropropane	ND	0.0021	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0052	mg/kg	
594 20 7	2,2 Dichloropropane	ND	0.0052	mg/kg	
563-58-6	1,1-Dichloropropane	ND	0.0052	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0021	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0021	mg/kg	
123-91-1	1,4-Dioxane	ND	0.13	mg/kg	
60-29-7	Ethyl Ether	ND	0.0052	mg/kg	
100-41-4	Ethylbenzene	ND	0.0021	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0052	mg/kg	
591-78-6	2-Hexanone	ND	0.0052	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0052	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0052	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0021	mg/kg	
108 10 1	4 Methyl 2 pentanone (MIBK)	ND	0.0052	mg/kg	
74-95-3	Methylene bromide	ND	0.0052	mg/kg	
75-09-2	Methylene chloride	ND	0.0021	mg/kg	
91-20-3	Naphthalene	ND	0.0052	mg/kg	
103 65 1	n Propylbenzene	ND	0.0052	mg/kg	
100 42 5	Styrene	ND	0.0052	mg/kg	
994 05 8	tert Amyl Methyl Ether	ND	0.0052	mg/kg	
637-92-3	tert Butyl Ethyl Ether	ND	0.0021	mg/kg	
630 20 6	1,1,1,2-Tetrachloroethane	ND	0.0021	mg/kg	
79 34 5	1,1,2,2-Tetrachloroethane	ND	0.0052	mg/kg	
127 18 4	Tetrachloroethene	ND	0.0021	mg/kg	
109-99-9	Tetrahydrofuran	ND	0.010	mg/kg	
108 88 3	Toluene	ND	0.0052	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0052	mg/kg	
120 82 1	1,2,4 Trichlorobenzene	ND	0.0052	mg/kg	
71-55-6	1,1,1 Trichloroethane	ND	0.0021	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0021	mg/kg	
79-01-6	Trichloroethene	ND	0.0021	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0021	mg/kg	
96 18 4	1,2,3 Trichloropropane	ND	0.0052	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0052	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0052	mg/kg	
75-01-4	Vinyl chloride	ND	0.010	mg/kg	
	m,p Xylene	ND	0.0021	mg/kg	
95-47-6	o Xylene	ND	0.0021	mg/kg	
1330 20-7	Xylene (total)	ND	0.0021	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS

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ACCUTEST
MC49976

Report of Analysis

Client Sample ID:	PC 8 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 32	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.1
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868 53 7	Dibromofluoromethane	134%		65 141%
2037-26-5	Toluene-D8	107%		65-129%
460 00 4	4 Bromofluorobenzene	106%		63 137%

(a) Initial and Continuing Calibration Verification outside of acceptance criteria. Result may be biased high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS

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ACCUTEST

Report of Analysis

Client Sample ID:	PC-8 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-32	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.1
Method:	SW846 8270D		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	R51610.D	1	04/04/17	DRY	03/31/17	OP49564	MSR1939

Run #1	Initial Weight	Final Volume
Run #2	20.3 g	1.0 ml

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.56	mg/kg	
95-57-8	2-Chlorophenol	ND	0.28	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.56	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.56	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.56	mg/kg	
51-28-5	2,4-Dinitrophenol a	ND	0.56	mg/kg	
95-48-7	2-Methylphenol	ND	0.56	mg/kg	
	3&4-Methylphenol	ND	0.56	mg/kg	
88-75-5	2-Nitrophenol	ND	0.56	mg/kg	
100-02-7	4-Nitrophenol	ND	0.56	mg/kg	
87-86-5	Pentachlorophenol	ND	0.56	mg/kg	
108-95-2	Phenol	ND	0.28	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.56	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.56	mg/kg	
83-32-9	Acenaphthene	0.213	0.11	mg/kg	
208-96-8	Acenaphthylene	ND	0.11	mg/kg	
98-86-2	Acetophenone	ND	0.56	mg/kg	
62-53-3	Aniline	ND	0.56	mg/kg	
120-12-7	Anthracene	0.490	0.11	mg/kg	
56-55-3	Benzo(a)anthracene	1.32	0.11	mg/kg	
50-32-8	Benzo(a)pyrene	1.27	0.28	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.981	0.11	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.700	0.11	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.979	0.11	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.28	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.28	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.28	mg/kg	
106-47-8	4-Chloroaniline	ND	0.56	mg/kg	
218-01-9	Chrysene	1.22	0.11	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.28	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.28	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.28	mg/kg	

ND = Not detected
RL = Reporting Limit
F = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 8 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-32	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.1
Method:	SW846 8270D		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.28	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.28	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.28	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.28	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.56	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.56	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.56	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.235	0.11	mg/kg	
132-64-9	Dibenzofuran	0.113	0.11	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.28	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.28	mg/kg	
84-66-2	Diethyl phthalate	ND	0.28	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.28	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.28	mg/kg	
206-44-0	Fluoranthene	2.94	0.11	mg/kg	
86-73-7	Fluorene	0.158	0.11	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.28	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.28	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.56	mg/kg	
67-72-1	Hexachloroethane	ND	0.28	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.812	0.28	mg/kg	
78-59-1	Isophorone	ND	0.28	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.11	mg/kg	
91-20-3	Naphthalene	ND	0.11	mg/kg	
98-95-3	Nitrobenzene	ND	0.28	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.28	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.28	mg/kg	
85-01-8	Phenanthrene	2.29	0.11	mg/kg	
129-00-0	Pyrene	2.74	0.11	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.28	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
367-12-4	2-Fluorophenol	68%		25-109%	
4165-62-2	Phenol-d5	76%		29-113%	
118-79-6	2,4,6-Tribromophenol	83%		20-141%	
4165-60-0	Nitrobenzene d5	71%		27-115%	
321-60-8	2-Fluorobiphenyl	79%		34-118%	
1718-51-0	Terphenyl-d14	92%		42-139%	

ND = Not detected
RL = Reporting Limit
F = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 8 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 32	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.1
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
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(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.

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Report of Analysis

Client Sample ID:	PC-8 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-32	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.1
Method:	SW846 8015		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WX79867.D	1	03/30/17	AF	n/a	n/a	GWX3998
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	9.63 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH GRO (VOA)	ND	6.7	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
	2,3,4 Trifluorotoluene	105%		64 127%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 8 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-32	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.1
Method:	SW846 8081B SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE54531.D	1	04/04/17	AP	03/31/17	OP49567	CBE2736
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.2 g	10.0 ml
Run #2		

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0057	mg/kg	
319-84-6	alpha-BHC	ND	0.0057	mg/kg	
319-85-7	beta-BHC	ND	0.0057	mg/kg	
319-86-8	delta-BHC	ND	0.0057	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.057	mg/kg	
60-57-1	Dieldrin	ND	0.0057	mg/kg	
72-54-8	4,4'-DDD	ND	0.0057	mg/kg	
72-55-9	4,4'-DDE	ND	0.0057	mg/kg	
50-29-3	4,4'-DDT	0.0067	0.0057	mg/kg	
72-20-8	Endrin	ND	0.0057	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0057	mg/kg	
959-98-8	Endosulfan I	ND	0.0057	mg/kg	
33213-65-9	Endosulfan-II	ND	0.0057	mg/kg	
76-44-8	Heptachlor	ND	0.0057	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0057	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0057	mg/kg	
72-43-5	Methoxychlor	ND	0.0057	mg/kg	
53494-70-5	Endrin ketone	ND	0.0057	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	55%		10-143%
877-09-8	Tetrachloro m xylene	65%		10-143%
2051-24-3	Decachlorobiphenyl	59%		10-172%
2051-24-3	Decachlorobiphenyl	190% ^a		10-172%

(a) Outside control limits due to possible matrix interference.

ND = Not detected
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 8 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-32	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.1
Method:	SW846 8082A SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65085.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.2 g	10.0 ml
Run #2		

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.028	mg/kg	
11104-28-2	Aroclor 1221	ND	0.028	mg/kg	
11141-16-5	Aroclor 1232	ND	0.028	mg/kg	
53469-21-9	Aroclor 1242	ND	0.028	mg/kg	
12672-29-6	Aroclor 1248	ND	0.028	mg/kg	
11097-69-1	Aroclor 1254	ND	0.028	mg/kg	
11096-82-5	Aroclor 1260	ND	0.028	mg/kg	
37324-23-5	Aroclor 1262	ND	0.028	mg/kg	
11100-14-4	Aroclor 1268	ND	0.028	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
877-09-8	Tetrachloro m xylene	84%		25-145%	
877-09-8	Tetrachloro m xylene	67%		25-145%	
2051-24-3	Decachlorobiphenyl	102%		25-179%	
2051-24-3	Decachlorobiphenyl	79%		25-179%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 8 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 32	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.1
Method:	SW846 8151 SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	3G107744.D	1	04/10/17	ANJ	04/08/17	N:OP1744	N:G3G3757

Run #1	Initial Weight	Final Volume
Run #2	16.9 g	5.0 ml

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.017	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0034	mg/kg	
93-76-5	2,4,5-T	ND	0.0034	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
19719-28-9	2,4-DCAA	66%		10-159%	
19719-28-9	2,4-DCAA	93%		10-159%	

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 8 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-32	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.1
Method:	SW846 8015 SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	CR4496.D	1	04/04/17	AP	03/31/17	OP49565	GCR1276

Run #1	Initial Weight	Final Volume
Run #2	16.0 g	1.0 ml

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	18.8	18	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	105%		17-130%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-8 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 32	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.1
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic ^a	9.0	2.2	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C 2
Barium ^a	51.5	5.5	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 3050B 3
Cadmium ^a	<0.55	0.55	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 3050B 3
Chromium ^a	23.4	1.1	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 3050B 3
Lead ^a	40.2	2.2	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 3050B 3
Mercury ^a	0.14	0.035	mg/kg	1	04/01/17	04/01/17	ANJ	SW846 7471B 4
Selenium ^a	<2.2	2.2	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 3050B 3
Silver ^a	2.4	0.55	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 3050B 3

- (1) Instrument QC Batch: N:MA41691
(2) Instrument QC Batch: N:MA41699
(3) Prep QC Batch: N:MP99633
(4) Prep QC Batch: N:MP99635

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-8 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 32	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.1
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity ^a	<11	11	mg/kg	1	04/03/17 12:29	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) ^a	>200		Deg. F	1	04/05/17 16:35	ANJ	SW846 1010A/ASTM D93
Solids, Percent ^a	87.1		%	1	04/03/17 19:15	ANJ	SM2540 G-97
Specific Conductivity ^a	285	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity ^a	<110	110	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH ^a	7.89		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

4.34

4

Client Sample ID: PC-9 0-5'

Lab Sample ID: MC49976 33

Matrix: SO - Soil

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 87.1

Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	26.2	2.2	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C ¹ SW846 3050B ²

- (1) Instrument QC Batch: N:MA41699
(2) Prep QC Batch: N:MP99633

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

4.34

4

Client Sample ID: PC-9 5-10'

Lab Sample ID: MC49976 34

Matrix: SO - Soil

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 85.4

Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	28.2	2.5	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C ¹ SW846 3050B ²

- (1) Instrument QC Batch: N:MA41699
(2) Prep QC Batch: N:MP99633

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-9 10-15'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 35	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	75.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	11.5	2.6	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C ¹ SW846 3050B ²

(1) Instrument QC Batch: N:MA41699

(2) Prep QC Batch: N:MP99633

(a) Analysis performed at SGS Accutest, Dayton, NJ.

Report of Analysis

Client Sample ID:	PC-9 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 36	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.9
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	M83307.D	1	03/31/17	DRY	n/a	n/a	MSM3003

Run #1	Initial Weight	Final Volume
Run #2	6.19 g	5.0 ml

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	0.0096	mg/kg	
71-43-2	Benzene	ND	0.00048	mg/kg	
108-86-1	Bromobenzene	ND	0.0048	mg/kg	
74-97-5	Bromochloromethane	ND	0.0048	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0019	mg/kg	
75-25-2	Bromoform	ND	0.0019	mg/kg	
74-83-9	Bromomethane	ND	0.0096	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0096	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0048	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0048	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0048	mg/kg	
75-15-0	Carbon disulfide	ND	0.0048	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0019	mg/kg	
108-90-7	Chlorobenzene	ND	0.0019	mg/kg	
75-00-3	Chloroethane	ND	0.0096	mg/kg	
67-66-3	Chloroform	ND	0.0019	mg/kg	
74-87-3	Chloromethane	ND	0.0048	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0048	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0048	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0019	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0048	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0048	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0019	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0019	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0019	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0019	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0048	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0019	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0019	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0019	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0019	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0019	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 9 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-36	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.9
Method:	SW846 8260C		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.36

4

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	0.0019	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0048	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0048	mg/kg	
563-58-6	1,1-Dichloropropane	ND	0.0048	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0019	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0019	mg/kg	
123-91-1	1,4-Dioxane	ND	0.12	mg/kg	
60-29-7	Ethyl Ether	ND	0.0048	mg/kg	
100-41-4	Ethylbenzene	ND	0.0019	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0048	mg/kg	
591-78-6	2-Hexanone	ND	0.0048	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0048	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0048	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0019	mg/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	0.0048	mg/kg	
74-95-3	Methylene bromide	ND	0.0048	mg/kg	
75-09-2	Methylene chloride	ND	0.0019	mg/kg	
91-20-3	Naphthalene	ND	0.0048	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0048	mg/kg	
100-42-5	Styrene	ND	0.0048	mg/kg	
994-05-8	tert-Amyl Methyl Ether	ND	0.0048	mg/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	0.0019	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0019	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0048	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0019	mg/kg	
109-99-9	Tetrahydrofuran	ND	0.0096	mg/kg	
108-88-3	Toluene	ND	0.0048	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0048	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0048	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0019	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0019	mg/kg	
79-01-6	Trichloroethene	ND	0.0019	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0019	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0048	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0048	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0048	mg/kg	
75-01-4	Vinyl chloride	ND	0.0096	mg/kg	
95-47-6	m,p-Xylene	ND	0.0019	mg/kg	
1330-20-7	o-Xylene	ND	0.0019	mg/kg	
	Xylene (total)	ND	0.0019	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 9 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-36	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.9
Method:	SW846 8260C		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.36

4

VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	138%		65-141%
2037-26-5	Toluene-D8	107%		65-129%
460-00-4	4-Bromofluorobenzene	108%		63-137%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-9 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 36	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.9
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R51611.D	1	04/04/17	DRY	03/31/17	OP49564	MSR1939
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.4 g	1.0 ml
Run #2		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.59	mg/kg	
95-57-8	2-Chlorophenol	ND	0.29	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.59	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.59	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.59	mg/kg	
51-28-5	2,4-Dinitrophenol a	ND	0.59	mg/kg	
95-48-7	2-Methylphenol	ND	0.59	mg/kg	
	3&4-Methylphenol	ND	0.59	mg/kg	
88-75-5	2-Nitrophenol	ND	0.59	mg/kg	
100-02-7	4-Nitrophenol	ND	0.59	mg/kg	
87-86-5	Pentachlorophenol	ND	0.59	mg/kg	
108-95-2	Phenol	ND	0.29	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.59	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.59	mg/kg	
83-32-9	Acenaphthene	ND	0.12	mg/kg	
208-96-8	Acenaphthylene	ND	0.59	mg/kg	
98-86-2	Acetophenone	ND	0.59	mg/kg	
62-53-3	Aniline	ND	0.59	mg/kg	
120-12-7	Anthracene	0.122	0.12	mg/kg	
56-55-3	Benzo(a)anthracene	0.413	0.12	mg/kg	
50-32-8	Benzo(a)pyrene	0.430	0.29	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.368	0.12	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.303	0.12	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.355	0.12	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.29	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.29	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.29	mg/kg	
106-47-8	4-Chloroaniline	ND	0.59	mg/kg	
218-01-9	Chrysene	0.398	0.12	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.29	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.29	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.29	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-9 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 36	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.9
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.29	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.29	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.29	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.29	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.59	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.59	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.59	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.12	mg/kg	
132-64-9	Dibenzofuran	ND	0.12	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.29	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.29	mg/kg	
84-66-2	Diethyl phthalate	ND	0.29	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.29	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.29	mg/kg	
206-44-0	Fluoranthene	0.712	0.12	mg/kg	
86-73-7	Fluorene	ND	0.12	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.29	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.29	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.59	mg/kg	
67-72-1	Hexachloroethane	ND	0.29	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.309	0.29	mg/kg	
78-59-1	Isophorone	ND	0.29	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.12	mg/kg	
91-20-3	Naphthalene	ND	0.12	mg/kg	
98-95-3	Nitrobenzene	ND	0.29	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.29	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.29	mg/kg	
85-01-8	Phenanthrene	0.388	0.12	mg/kg	
129-00-0	Pyrene	0.725	0.12	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.29	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
367-12-4	2-Fluorophenol	71%		25-109%	
4165-62-2	Phenol-d5	75%		29-113%	
118-79-6	2,4,6-Tribromophenol	80%		20-141%	
4165-60-0	Nitrobenzene-d5	70%		27-115%	
321-60-8	2-Fluorobiphenyl	74%		34-118%	
1718-51-0	Terphenyl d14	85%		42-139%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-9.0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-36	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.9
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.					

Report of Analysis

Client Sample ID:	PC-9.0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-36	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.9
Method:	SW846 8015		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WX79868.D	1	03/30/17	AF	n/a	n/a	GWX3998
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	9.32 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	7.4	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
	2,3,4 Trifluorotoluene	104%		64 127%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: PC-9 0-15' COMP
Lab Sample ID: MC49976-36
Matrix: SO - Soil
Method: SW846 8081B SW846 3546
Project: Maggiore Somerville, 343 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17
Date Received: 03/29/17
Percent Solids: 83.9

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE54532.D	1	04/04/17	AP	03/31/17	OP49567	GBE2736
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.4 g	10.0 ml
Run #2		

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0058	mg/kg	
319-84-6	alpha-BHC	ND	0.0058	mg/kg	
319-85-7	beta-BHC	ND	0.0058	mg/kg	
319-86-8	delta-BHC	ND	0.0058	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.058	mg/kg	
60-57-1	Dieldrin	ND	0.0058	mg/kg	
72-54-8	4,4'-DDD	ND	0.0058	mg/kg	
72-55-9	4,4'-DDE	ND	0.0058	mg/kg	
50-29-3	4,4'-DDT	ND	0.0058	mg/kg	
72-20-8	Endrin	ND	0.0058	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0058	mg/kg	
959-98-8	Endosulfan-I	ND	0.0058	mg/kg	
33213-65-9	Endosulfan-II	ND	0.0058	mg/kg	
76-44-8	Heptachlor	ND	0.0058	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0058	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0058	mg/kg	
72-43-5	Methoxychlor	ND	0.0058	mg/kg	
53494-70-5	Endrin ketone	ND	0.0058	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		10-143%
877-09-8	Tetrachloro-m-xylene	73%		10-143%
2051-24-3	Decachlorobiphenyl	53%		10-172%
2051-24-3	Decachlorobiphenyl	95%		10-172%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: PC-9 0-15' COMP
Lab Sample ID: MC49976-36
Matrix: SO - Soil
Method: SW846 8082A SW846 3546
Project: Maggiore Somerville, 343 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17
Date Received: 03/29/17
Percent Solids: 83.9

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65086.D	1	04/04/17	AP	03/31/17	OP49566	CBK2075
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.4 g	10.0 ml
Run #2		

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.029	mg/kg	
11104-28-2	Aroclor 1221	ND	0.029	mg/kg	
11141-16-5	Aroclor 1232	ND	0.029	mg/kg	
53469-21-9	Aroclor 1242	ND	0.029	mg/kg	
12672-29-6	Aroclor 1248	ND	0.029	mg/kg	
11097-69-1	Aroclor 1254	ND	0.029	mg/kg	
11096-82-5	Aroclor 1260	ND	0.029	mg/kg	
37324-23-5	Aroclor 1262	ND	0.029	mg/kg	
11100-14-4	Aroclor 1268	ND	0.029	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%		25-145%
877-09-8	Tetrachloro-m-xylene	81%		25-145%
2051-24-3	Decachlorobiphenyl	102%		25-179%
2051-24-3	Decachlorobiphenyl	88%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-9.0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-36	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.9
Method:	SW846 8151 SW846 3546		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G107745.D	1	ANJ	04/08/17	N:OP1744	N:G3G3757
Run #2						

Initial Weight	Final Volume
Run #1 16.7 g	5.0 ml
Run #2	

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.018	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0036	mg/kg	
93-76-5	2,4,5-T	ND	0.0036	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
19719-28-9	2,4-DCAA	73%		10-159%	
19719-28-9	2,4-DCAA	100%		10-159%	

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-9.0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-36	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.9
Method:	SW846 8015 SW846 3546		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4504.D	1	AP	03/31/17	OP49565	GCR1276
Run #2						

Initial Weight	Final Volume
Run #1 16.0 g	1.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	39.3	19	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	105%		17-130%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-9 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 36	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic ^a	14.4	2.4	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C 2
Barium ^a	86.8	6.1	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C 2
Cadmium ^a	<0.61	0.61	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C 2
Chromium ^a	28.9	1.2	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C 2
Lead ^a	31.6	2.4	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C 2
Mercury ^a	3.3	0.18	mg/kg	5	04/01/17	04/01/17	ANJ	SW846 7471B 1
Selenium ^a	<2.4	2.4	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C 2
Silver ^a	2.6	0.61	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C 2

- (1) Instrument QC Batch: N:MA41691
(2) Instrument QC Batch: N:MA41699
(3) Prep QC Batch: N:MP99633
(4) Prep QC Batch: N:MP99635

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-9 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 36	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity ^a	<11	11	mg/kg	1	04/03/17 12:31	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) ^a	> 200		Deg. F	1	04/05/17 16:35	ANJ	SW846 1010A/ASTM D93
Solids, Percent ^a	83.9		%	1	04/03/17 19:15	ANJ	SM2540 G-97
Specific Conductivity ^a	282	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity ^a	< 110	110	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH ^a	8.06		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

4.37

4

Client Sample ID: PC-10 0.5'

Lab Sample ID: MC49976-37

Matrix: SO - Soil

Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 85.3

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	28.6	2.3	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C ¹ SW846 3050B ²

- (1) Instrument QC Batch: N:MA41699
(2) Prep QC Batch: N:MP99633

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

4.38

4

Client Sample ID: PC-10 5-10'

Lab Sample ID: MC49976-38

Matrix: SO - Soil

Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 81.3

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	8.7	2.5	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C ¹ SW846 3050B ²

- (1) Instrument QC Batch: N:MA41699
(2) Prep QC Batch: N:MP99633

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 10 10 15'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-39	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	77.5
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
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Lead ^a 12.2 2.6 mg/kg 1 04/01/17 04/03/17 ANJ SW846 6010C ¹ SW846 3050B ²

- (1) Instrument QC Batch: N:MA41699
(2) Prep QC Batch: N:MP99633

(a) Analysis performed at SGS Accutest, Dayton, NJ.

4.39 4

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-10 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-40	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.2
Method:	SW846 8260C		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	M83308.D	1	03/31/17	DRY	n/a	n/a	MSM3003

Initial Weight 5.68 g
Final Volume 5.0 ml

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone ^a	0.0445	0.011	mg/kg	
71-43-2	Benzene	ND	0.0053	mg/kg	
108-86-1	Bromobenzene	ND	0.0053	mg/kg	
74-97-5	Bromochloromethane	ND	0.0053	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0021	mg/kg	
75-25-2	Bromoform	ND	0.0021	mg/kg	
74-83-9	Bromomethane	ND	0.011	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0053	mg/kg	
135-98-8	sec Butylbenzene	ND	0.0053	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0053	mg/kg	
75-15-0	Carbon disulfide	ND	0.0053	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0021	mg/kg	
108-90-7	Chlorobenzene	ND	0.0021	mg/kg	
75-00-3	Chloroethane	ND	0.011	mg/kg	
67-66-3	Chloroform	ND	0.0021	mg/kg	
74-87-3	Chloromethane	ND	0.0053	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0053	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0053	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0021	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0053	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0053	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0021	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0021	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0021	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0021	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0053	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0021	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0021	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0021	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0021	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0021	mg/kg	

ND = Not detected
RL = Reporting Limit
F = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-10 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-40	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.2
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.40 4

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	0.0021	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0053	mg/kg	
594 20 7	2,2-Dichloropropane	ND	0.0053	mg/kg	
563-58-6	1,1-Dichloropropene	ND	0.0053	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0021	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0021	mg/kg	
123-91-1	1,4-Dioxane	ND	0.13	mg/kg	
60 29 7	Ethyl Ether	ND	0.0053	mg/kg	
100-41-4	Ethylbenzene	ND	0.0021	mg/kg	
87 68 3	Hexachlorobutadiene	ND	0.0053	mg/kg	
591-78-6	2-Hexanone	ND	0.0053	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0053	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0053	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0021	mg/kg	
108 10 1	4 Methyl 2 pentanone (MIBK)	ND	0.0053	mg/kg	
74 95 3	Methylene bromide	ND	0.0053	mg/kg	
75-09-2	Methylene chloride	ND	0.0021	mg/kg	
91-20-3	Naphthalene	ND	0.0053	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0053	mg/kg	
100-42-5	Styrene	ND	0.0053	mg/kg	
994 05-8	tert-Amyl Methyl Ether	ND	0.0053	mg/kg	
637 92 3	tert Butyl Ethyl Ether	ND	0.0021	mg/kg	
630 20 6	1,1,1,2-Tetrachloroethane	ND	0.0021	mg/kg	
79 34 5	1,1,2,2-Tetrachloroethane	ND	0.0053	mg/kg	
127 18 4	Tetrachloroethene	ND	0.0021	mg/kg	
109-99-9	Tetrahydrofuran	ND	0.011	mg/kg	
108-88-3	Toluene	ND	0.0053	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0053	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0053	mg/kg	
71 55 6	1,1,1-Trichloroethane	ND	0.0021	mg/kg	
79 00 5	1,1,2-Trichloroethane	ND	0.0021	mg/kg	
79-01-6	Trichloroethene	ND	0.0021	mg/kg	
75 69 4	Trichlorofluoromethane	ND	0.0021	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0053	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0053	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0053	mg/kg	
75 01-4	Vinyl chloride	ND	0.011	mg/kg	
95-47-6	m,p-Xylene	ND	0.0021	mg/kg	
	o-Xylene	ND	0.0021	mg/kg	
1330 20 7	Xylene (total)	ND	0.0021	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-10 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-40	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.2
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.40 4

VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	138%		65-141%
2037-26-5	Toluene-D8	106%		65-129%
460 00 4	4-Bromofluorobenzene	103%		63-137%

(a) Initial and Continuing Calibration Verification outside of acceptance criteria. Result may be biased high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 10 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-40	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.2
Method:	SW846 8270D SW846 3546		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	R51612.D	1	04/05/17	DRY	03/31/17	OP49564	MSR1939

Run #1	Initial Weight	Final Volume
Run #2	20.2 g	1.0 ml

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.60	mg/kg	
95-57-8	2-Chlorophenol	ND	0.30	mg/kg	
59-50-7	4-Chloro-3-methylphenol	ND	0.60	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.60	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.60	mg/kg	
51-28-5	2,4-Dinitrophenol a	ND	0.60	mg/kg	
95-48-7	2-Methylphenol	ND	0.60	mg/kg	
	3&4-Methylphenol	ND	0.60	mg/kg	
88-75-5	2-Nitrophenol	ND	0.60	mg/kg	
109-02-7	4-Nitrophenol	ND	0.60	mg/kg	
87-86-5	Pentachlorophenol	ND	0.60	mg/kg	
108-95-2	Phenol	ND	0.60	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.30	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.60	mg/kg	
83-32-9	Acenaphthene	ND	0.12	mg/kg	
208-96-8	Acenaphthylene	0.401	0.12	mg/kg	
98-86-2	Acetophenone	ND	0.60	mg/kg	
62-53-3	Aniline	ND	0.60	mg/kg	
120-12-7	Anthracene	0.369	0.12	mg/kg	
56-55-3	Benzo(a)anthracene	1.29	0.12	mg/kg	
50-32-8	Benzo(a)pyrene	1.31	0.30	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.999	0.12	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.788	0.12	mg/kg	
207-08-9	Benzo(k)fluoranthene	1.08	0.12	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.30	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.30	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.30	mg/kg	
106-47-8	4-Chloroaniline	ND	0.60	mg/kg	
218-01-9	Chrysene	1.18	0.12	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.30	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.30	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.30	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 10 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-40	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.2
Method:	SW846 8270D SW846 3546		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.30	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.30	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.30	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.30	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.60	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.60	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.60	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.255	0.12	mg/kg	
132-64-9	Dibenzofuran	ND	0.12	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.30	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.30	mg/kg	
84-66-2	Diethyl phthalate	ND	0.30	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.30	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.30	mg/kg	
206-44-0	Fluoranthene	2.21	0.12	mg/kg	
86-73-7	Fluorene	0.142	0.12	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.30	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.30	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.60	mg/kg	
67-72-1	Hexachloroethane	ND	0.30	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.881	0.30	mg/kg	
78-59-1	Isophorone	ND	0.30	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.12	mg/kg	
91-20-3	Naphthalene	ND	0.12	mg/kg	
98-95-3	Nitrobenzene	ND	0.30	mg/kg	
621-64-7	N-Nitroso di-n-propylamine	ND	0.30	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.30	mg/kg	
85-01-8	Phenanthrene	1.12	0.12	mg/kg	
129-00-0	Pyrene	1.99	0.12	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.30	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	79%		25 109%
4165-62-2	Phenol d5	83%		29 113%
118-79-6	2,4,6-Tribromophenol	89%		20 141%
4165-60-0	Nitrobenzene d5	78%		27 115%
321-60-8	2-Fluorobiphenyl	81%		34 118%
1718-51-0	Terphenyl-d14	92%		42 139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PC-10 0-15' COMP

Lab Sample ID: MC49976-40

Matrix: SO - Soil

Method: SW846 8270D

Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 83.2

4.40 4

ABN MCP List

CAS No. Compound Result RL Units Q

(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.

Report of Analysis

Client Sample ID: PC-10 0-15' COMP

Lab Sample ID: MC49976-40

Matrix: SO - Soil

Method: SW846 8015

Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 83.2

4.40 4

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	WX79869.D	1	03/30/17	AF	n/a	n/a	C:WX3998

Run #1	Initial Weight	Final Volume	Methanol Aliquot
Run #2	10.2 g	10.0 ml	100 ul

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	6.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4 Trifluorotoluene	105%		64-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-10 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-40	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.2
Method:	SW846 8081B SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE54533.D	1	AP	03/31/17	OP49567	GBE2736
Run #2						

	Initial Weight	Final Volume
Run #1	20.9 g	10.0 ml
Run #2		

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0057	mg/kg	
319-84-6	alpha-BHC	ND	0.0057	mg/kg	
319-85-7	beta-BHC	ND	0.0057	mg/kg	
319-86-8	delta-BHC	ND	0.0057	mg/kg	
58-89-9	gamma BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.057	mg/kg	
60-57-1	Dieldrin	ND	0.0057	mg/kg	
72-54-8	4,4'-DDD	ND	0.0057	mg/kg	
72-55-9	4,4'-DDE	ND	0.0057	mg/kg	
50-29-3	4,4'-DDT	ND	0.0057	mg/kg	
72-20-8	Endrin	ND	0.0057	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0057	mg/kg	
959-98-8	Endosulfan-I	ND	0.0057	mg/kg	
33213-65-9	Endosulfan II	ND	0.0057	mg/kg	
76-44-8	Heptachlor	ND	0.0057	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0057	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0057	mg/kg	
72-43-5	Methoxychlor	ND	0.0057	mg/kg	
53494-70-5	Endrin ketone	ND	0.0057	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877 09 8	Tetrachloro m xylene	58%		10 143%
877 09 8	Tetrachloro m xylene	68%		10 143%
2051-24-3	Decachlorobiphenyl	70%		10-172%
2051 24 3	Decachlorobiphenyl	120%		10 172%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 10 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-40	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.2
Method:	SW846 8082A SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65087.D	1	AP	03/31/17	OP49566	GBK2075
Run #2						

	Initial Weight	Final Volume
Run #1	20.9 g	10.0 ml
Run #2		

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.029	mg/kg	
11104-28-2	Aroclor 1221	ND	0.029	mg/kg	
11141-16-5	Aroclor 1232	ND	0.029	mg/kg	
53469-21-9	Aroclor 1242	ND	0.029	mg/kg	
12672 29 6	Aroclor 1248	ND	0.029	mg/kg	
11097-69-1	Aroclor 1254	ND	0.029	mg/kg	
11096-82-5	Aroclor 1260	ND	0.029	mg/kg	
37324-23-5	Aroclor 1262	ND	0.029	mg/kg	
11100-14-4	Aroclor 1268	ND	0.029	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
877-09-8	Tetrachloro m-xylene	83%		25-145%	
877 09 8	Tetrachloro m xylene	64%		25 145%	
2051-24-3	Decachlorobiphenyl	99%		25-179%	
2051-24-3	Decachlorobiphenyl	87%		25-179%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 10 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-40	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.2
Method:	SW846 8151 SW846 8151/3550C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	OAI25133.D	1	04/07/17	ANJ	N:OP1615	N:COA4281
Run #2						

Initial Weight	Final Volume
Run #1 16.8 g	5.0 ml
Run #2	

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.018	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0036	mg/kg	
93-76-5	2,4,5-T	ND	0.0036	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	75%		10-159%
19719-28-9	2,4-DCAA	49%		10-159%

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS

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ACCUTEST

Report of Analysis

Client Sample ID:	PC-10 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-40	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.2
Method:	SW846 8015 SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4497.D	1	04/04/17	AP	OP49565	GCR1276
Run #2						

Initial Weight	Final Volume
Run #1 15.8 g	1.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	52.2	19	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	99%		17-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS

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ACCUTEST

Report of Analysis

4.40 4

Client Sample ID:	PC-10 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-40	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.2
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic ^a	11.3	2.3	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 3050B ⁴
Barium ^a	105	5.8	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 3050B ⁴
Cadmium ^a	<0.58	0.58	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 3050B ⁴
Chromium ^a	45.5	1.2	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 3050B ⁴
Lead ^a	19.0	2.3	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 3050B ⁴
Mercury ^a	0.084	0.037	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 7471B ⁵
Selenium ^a	<2.3	2.3	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 3050B ⁴
Silver ^a	2.7	1.8	mg/kg	3	04/01/17	04/04/17	ANJ	SW846 6010C ³

- (1) Instrument QC Batch: N:MA41691
(2) Instrument QC Batch: N:MA41699
(3) Instrument QC Batch: N:MA41707
(4) Prep QC Batch: N:MP99633
(5) Prep QC Batch: N:MP99635

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

4.40 4

Client Sample ID:	PC 10 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-40	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.2
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity ^a	<11	11	mg/kg	1	04/03/17 12:32	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) ^a	>200		Deg. F	1	04/05/17 16:35	ANJ	SW846 1010A/ASTM D83
Solids, Percent ^a	83.2		%	1	04/03/17 19:15	ANJ	SM2540 C-97
Specific Conductivity ^a	172	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity ^a	<110	110	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH ^a	7.67		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-11 0-5'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-41	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	91.8
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.41 4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	15.4	2.2	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C ¹ SW846 3050B ²

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-11 5-10'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-42	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	80.8
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.42 4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	10.5	2.5	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C ¹ SW846 3050B ²

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 11 10 15'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 43	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	86.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead a	7.4	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C 1 SW846 3050B 2

(1) Instrument QC Batch: N:MA41707

(2) Prep QC Batch: N:MP99640

(a) Analyses performed at SGS Accutest, Dayton, NJ.

4.43 4

Report of Analysis

Client Sample ID:	PC 11 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 44	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	86.9
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83314.D	1	03/31/17	DRY	n/a	n/a	MSM3003
Run #2 a	M83309.D	1	03/31/17	DRY	n/a	n/a	MSM3003

Run #	Initial Weight	Final Volume
Run #1	4.76 g	5.0 ml
Run #2	5.00 g	5.0 ml

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone b	0.0338	0.012	mg/kg	
71-43-2	Benzene	ND	0.00060	mg/kg	
108-86-1	Bromobenzene	ND	0.0060	mg/kg	
74-97-5	Bromochloromethane	ND	0.0060	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0024	mg/kg	
75-25-2	Bromoform	ND	0.0024	mg/kg	
74-83-9	Bromomethane	ND	0.012	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.012	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0060	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0060	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0060	mg/kg	
75-15-0	Carbon disulfide	ND	0.0060	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0024	mg/kg	
108-90-7	Chlorobenzene	ND	0.0024	mg/kg	
75-00-3	Chloroethane	ND	0.012	mg/kg	
67-66-3	Chloroform	ND	0.0024	mg/kg	
74-87-3	Chloromethane	ND	0.0060	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0060	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0060	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0024	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0060	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0060	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0024	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0024	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0024	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0024	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0060	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0024	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0024	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0024	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0024	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0024	mg/kg	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 3

Client Sample ID: PC 11 0 15' COMP
Lab Sample ID: MC49976 44
Matrix: SO - Soil
Method: SW846 8260C
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17
Date Received: 03/29/17
Percent Solids: 86.9

4.44

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VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	0.0024	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0060	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0060	mg/kg	
563-58-6	1,1-Dichloropropane	ND	0.0060	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0024	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0024	mg/kg	
123-91-1	1,4-Dioxane	ND	0.15	mg/kg	
60-29-7	Ethyl Ether	ND	0.0060	mg/kg	
100-41-4	Ethylbenzene	ND	0.0024	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0060	mg/kg	
591-78-6	2-Hexanone	ND	0.0060	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0060	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0060	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0024	mg/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	0.0060	mg/kg	
74-95-3	Methylene bromide	ND	0.0060	mg/kg	
75-09-2	Methylene chloride	ND	0.0024	mg/kg	
91-20-3	Naphthalene	ND	0.0060	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0060	mg/kg	
100-42-5	Styrene	ND	0.0060	mg/kg	
994-05-8	tert-Amyl Methyl Ether	ND	0.0060	mg/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	0.0024	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0024	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0060	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0024	mg/kg	
109-99-9	Tetrahydrofuran	ND	0.012	mg/kg	
108-88-3	Toluene	ND	0.0060	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0060	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0060	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0024	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0024	mg/kg	
79-01-6	Trichloroethene	ND	0.0024	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0024	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0060	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0060	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0060	mg/kg	
75-01-4	Vinyl chloride	ND	0.012	mg/kg	
95-47-6	m,p-Xylene	ND	0.0024	mg/kg	
95-47-6	o-Xylene	ND	0.0024	mg/kg	
1330-20-7	Xylene (total)	ND	0.0024	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS

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Report of Analysis

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Client Sample ID: PC 11 0 15' COMP
Lab Sample ID: MC49976 44
Matrix: SO - Soil
Method: SW846 8260C
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17
Date Received: 03/29/17
Percent Solids: 86.9

4.44

4

VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	147% ^c	136%	65-141%
2037-26-5	Toluene-D8	110%	108%	65-129%
460-00-4	4-Bromofluorobenzene	103%	117%	63-137%

(a) Confirmation run.

(b) Initial and Continuing Calibration Verification outside of acceptance criteria. Result may be biased high.

(c) Outside control limits due to possible matrix interference.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS

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ACCUTEST

Report of Analysis

Client Sample ID:	PC 11 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-44	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	86.9
Method:	SW846 8270D SW846 3546		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R51613.D	1	04/05/17	DRY	03/31/17	OP49564	MSR1939
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.0 g	1.0 ml
Run #2		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.57	mg/kg	
95-57-8	2-Chlorophenol	ND	0.29	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.57	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.57	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.57	mg/kg	
51-28-5	2,4-Dinitrophenol a	ND	0.57	mg/kg	
95-48-7	2 Methylphenol	ND	0.57	mg/kg	
	3&4-Methylphenol	ND	0.57	mg/kg	
88-75-5	2-Nitrophenol	ND	0.57	mg/kg	
100-02-7	4-Nitrophenol	ND	0.57	mg/kg	
87-86-5	Pentachlorophenol	ND	0.57	mg/kg	
108-95-2	Phenol	ND	0.29	mg/kg	
95-95-4	2,4,5 Trichlorophenol	ND	0.57	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.57	mg/kg	
83-32-9	Acenaphthene	ND	0.11	mg/kg	
208-96-8	Acenaphthylene	ND	0.57	mg/kg	
98-86-2	Acetophenone	ND	0.57	mg/kg	
62-53-3	Aniline	ND	0.11	mg/kg	
120-12-7	Anthracene	ND	0.11	mg/kg	
56-55-3	Benzo(a)anthracene	0.123	0.11	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.29	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.11	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.117	0.11	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.29	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.29	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.29	mg/kg	
106-47-8	4-Chloroaniline	ND	0.57	mg/kg	
218-01-9	Chrysene	0.118	0.11	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.29	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.29	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.29	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 11 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-44	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	86.9
Method:	SW846 8270D SW846 3546		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.29	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.29	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.29	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.29	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.57	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.57	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.57	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	mg/kg	
132-64-9	Dibenzofuran	ND	0.11	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.29	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.29	mg/kg	
84-66-2	Diethyl phthalate	ND	0.29	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.29	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.29	mg/kg	
206-44-0	Fluoranthene	0.115	0.11	mg/kg	
86-73-7	Fluorene	ND	0.11	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.29	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.29	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.57	mg/kg	
67-72-1	Hexachloroethane	ND	0.29	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.29	mg/kg	
78-59-1	Isophorone	ND	0.29	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.11	mg/kg	
91-20-3	Naphthalene	ND	0.11	mg/kg	
98-95-3	Nitrobenzene	ND	0.29	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.29	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.29	mg/kg	
85-01-8	Phenanthrene	ND	0.11	mg/kg	
129-00-0	Pyrene	0.123	0.11	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.29	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	83%		25-109%
4165-62-2	Phenol-d5	86%		29-113%
118-79-6	2,4,6-Tribromophenol	92%		20-141%
4165-60-0	Nitrobenzene d5	82%		27-115%
321-60-8	2-Fluorobiphenyl	86%		34-118%
1718-51-0	Terphenyl d14	97%		42-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-11 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-44	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	86.9
Method:	SW846 8270D SW846 3546		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.44 4

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.					

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 11 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-44	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	86.9
Method:	SW846 8015		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.44 4

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	WX79871.D	1	03/30/17	AF	n/a	n/a	GWX3998

Run #1	Initial Weight	Final Volume	Methanol Aliquot
Run #2	9.93 g	10.0 ml	100 ul

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	6.5	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
	2,3,4 Trifluorotoluene	102%		64 127%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-11 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-44	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	86.9
Method:	SW846 8081B SW846 3546		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE54534.D	1	AP	03/31/17	OP49567	GBE2736
Run #2						

Initial Weight	Final Volume
Run #1 20.2 g	10.0 ml
Run #2	

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309 00 2	Aldrin	ND	0.0057	mg/kg	
319-84-6	alpha-BHC	ND	0.0057	mg/kg	
319 85 7	beta BHC	ND	0.0057	mg/kg	
319-86-8	delta-BHC	ND	0.0057	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.057	mg/kg	
60 57 1	Dieldrin	ND	0.0057	mg/kg	
72-54-8	4,4'-DDD	ND	0.0057	mg/kg	
72-55-9	4,4'-DDE	ND	0.0057	mg/kg	
50-29-3	4,4'-DDT	ND	0.0057	mg/kg	
72-20-8	Endrin	ND	0.0057	mg/kg	
1031 07 8	Endosulfan sulfate	ND	0.0057	mg/kg	
959-98 8	Endosulfan-I	ND	0.0057	mg/kg	
33213-65-9	Endosulfan-II	ND	0.0057	mg/kg	
76 44 8	Heptachlor	ND	0.0057	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0057	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0057	mg/kg	
72-43-5	Methoxychlor	ND	0.0057	mg/kg	
53494-70-5	Endrin ketone	ND	0.0057	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		10-143%
877-09-8	Tetrachloro-m-xylene	81%		10-143%
2051-24-3	Decachlorobiphenyl	50%		10-172%
2051 24 3	Decachlorobiphenyl	79%		10 172%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-11 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-44	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	86.9
Method:	SW846 8082A SW846 3546		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65088.D	1	AP	03/31/17	OP49566	GBK2075
Run #2						

Initial Weight	Final Volume
Run #1 20.2 g	10.0 ml
Run #2	

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.028	mg/kg	
11104-28-2	Aroclor 1221	ND	0.028	mg/kg	
11141-16 5	Aroclor 1232	ND	0.028	mg/kg	
53469-21-9	Aroclor 1242	ND	0.028	mg/kg	
12672 29 6	Aroclor 1248	ND	0.028	mg/kg	
11097-69-1	Aroclor 1254	ND	0.028	mg/kg	
11096-82-5	Aroclor 1260	ND	0.028	mg/kg	
37324-23-5	Aroclor 1262	ND	0.028	mg/kg	
11100-14-4	Aroclor 1268	ND	0.028	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877 09 8	Tetrachloro m xylene	82%		25-145%
877 09-8	Tetrachloro m xylene	78%		25 145%
2051-24-3	Decachlorobiphenyl	91%		25-179%
2051-24 3	Decachlorobiphenyl	81%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 11 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-44	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	86.9
Method:	SW846 8151 SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G107746.D	1	04/10/17	ANJ	N:OP1744	N:G3G3757
Run #2						

Initial Weight	Final Volume
Run #1 16.9 g	5.0 ml
Run #2	

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.017	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0034	mg/kg	
93-76-5	2,4,5-T	ND	0.0034	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
19719-28-9	2,4-DCAA	75%		10-159%	
19719-28-9	2,4-DCAA	102%		10-159%	

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 11 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-44	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	86.9
Method:	SW846 8015 SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4505.D	1	04/05/17	AP	OP49565	CCR1276
Run #2						

Initial Weight	Final Volume
Run #1 15.8 g	1.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
	TPH DRO (Semi VOA)	36.3	18	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	88%		17-130%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PC 11 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-44	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	86.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.44

4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic ^a	3.2	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 3050B ⁴
Barium ^a	28.1	5.8	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 3050B ⁴
Cadmium ^a	<0.58	0.58	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 3050B ⁴
Chromium ^a	12.9	1.2	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 3050B ⁴
Lead ^a	17.9	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 3050B ⁴
Mercury ^a	0.045	0.036	mg/kg	1	04/01/17	04/01/17	ANJ	SW846 7471B ³
Selenium ^a	<2.3	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 3050B ⁴
Silver ^a	<0.58	0.58	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 3050B ⁴

(1) Instrument QC Batch: N:MA41691

(2) Instrument QC Batch: N:MA41707

(3) Prep QC Batch: N:MP99635

(4) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	PC-11 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-44	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	86.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.44

4

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity ^a	< 11	11	mg/kg	1	04/03/17 12:33	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) ^a	> 200		Deg. F	1	04/05/17 16:35	ANJ	SW846 1010A/ASTM D93
Solids, Percent ^a	86.9		%	1	04/03/17 19:15	ANJ	SM2540 C-97
Specific Conductivity ^a	156	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity ^a	< 110	110	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH ^a	6.20		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

4.45

4

Client Sample ID:	PC 12 0 5'	Date Sampled:	03/28/17
Lab Sample ID:	MC 49976 45	Date Received:	03/29/17
Matrix:	SO Soil	Percent Solids:	88.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	138	2.3	mg/kg	1	04/02/17	04/04/17	ANJ SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99640

(a) Analysts performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

4.46

4

Client Sample ID:	PC 12 5-10'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-46	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	82.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	488	2.3	mg/kg	1	04/02/17	04/04/17	ANJ SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99640

(a) Analysts performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 12 10 15'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-47	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	88.7
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	4.1	2.2	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C ¹ SW846 3050B ²

- (1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

4.47 4

Report of Analysis

Client Sample ID:	PC-12 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-48	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.8
Method:	SW846 8260C		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83310.D	1	03/31/17	DRY	n/a	n/a	MSM3003
Run #2 ^a	M83315.D	1	03/31/17	DRY	n/a	n/a	MSM3003

Run #	Initial Weight	Final Volume
Run #1	5.19 g	5.0 ml
Run #2	4.94 g	5.0 ml

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone ^b	0.113	0.011	mg/kg	
71-43-2	Benzene	ND	0.0057	mg/kg	
108-86-1	Bromobenzene	ND	0.0057	mg/kg	
74-97-5	Bromochloromethane	ND	0.0057	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0023	mg/kg	
75-25-2	Bromoform	ND	0.0023	mg/kg	
74-83-9	Bromomethane	ND	0.011	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0057	mg/kg	
135-98-8	sec Butylbenzene	ND	0.0057	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0057	mg/kg	
75-15-0	Carbon disulfide	ND	0.0057	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0023	mg/kg	
108-90-7	Chlorobenzene	ND	0.0023	mg/kg	
75-00-3	Chloroethane	ND	0.011	mg/kg	
67-66-3	Chloroform	ND	0.0023	mg/kg	
74-87-3	Chloromethane	ND	0.0057	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0057	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0057	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0023	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0057	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0057	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0023	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0023	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0023	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0023	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0057	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0023	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0023	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0023	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0023	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0023	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

4.48 4

Report of Analysis

Client Sample ID:	PC 12 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-48	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.8
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.48

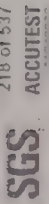


VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	0.0023	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0057	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0057	mg/kg	
563-58-6	1,1-Dichloropropane	ND	0.0057	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0023	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0023	mg/kg	
123-91-1	1,4-Dioxane	ND	0.14	mg/kg	
60-29-7	Ethyl Ether	ND	0.0057	mg/kg	
100-41-4	Ethylbenzene	ND	0.0023	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0057	mg/kg	
591-78-6	2-Hexanone	ND	0.0057	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0057	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0057	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0023	mg/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	0.0057	mg/kg	
74-95-3	Methylene bromide	ND	0.0057	mg/kg	
75-09-2	Methylene chloride	ND	0.0023	mg/kg	
91-20-3	Naphthalene	ND	0.0057	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0057	mg/kg	
100-42-5	Styrene	ND	0.0057	mg/kg	
994-05-8	tert-Amyl Methyl Ether	ND	0.0057	mg/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	0.0023	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0023	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0057	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0023	mg/kg	
109-99-9	Tetrahydrofuran	ND	0.011	mg/kg	
108-88-3	Toluene	ND	0.0057	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0057	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0057	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0023	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0023	mg/kg	
79-01-6	Trichloroethene	ND	0.0023	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0023	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0057	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0057	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0057	mg/kg	
75-01-4	Vinyl chloride	ND	0.011	mg/kg	
	m,p-Xylene	ND	0.0023	mg/kg	
95-47-6	o-Xylene	ND	0.0023	mg/kg	
1330-20-7	Xylene (total)	ND	0.0023	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound



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ACCUTEST

Report of Analysis

Client Sample ID:	PC 12 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-48	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.8
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.48



VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	142% ^c	150% ^c	65-141% ^c
2037-26-5	Toluene-D8	106%	109%	65-129%
460-00-4	4-Bromofluorobenzene	112%	105%	63-137%

(a) Confirmation run.

(b) Initial and Continuing Calibration Verification outside of acceptance criteria. Result may be biased high.

(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound



219 of 537
ACCUTEST

Report of Analysis

Client Sample ID:	PC-12 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-48	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.8
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R51614.D	1	DRY	03/31/17	OP49564	MSR1939
Run #2						

Initial Weight	Final Volume
Run #1	20.9 g
Run #2	1.0 ml

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.57	mg/kg	
95-57-8	2-Chlorophenol	ND	0.29	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.57	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.57	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.57	mg/kg	
51-28-5	2,4-Dinitrophenol ^a	ND	0.57	mg/kg	
95-48-7	2-Methylphenol	ND	0.57	mg/kg	
	3&4-Methylphenol	ND	0.57	mg/kg	
88-75-5	2-Nitrophenol	ND	0.57	mg/kg	
100-02-7	4-Nitrophenol	ND	0.57	mg/kg	
87-86-5	Pentachlorophenol	ND	0.57	mg/kg	
108-95-2	Phenol	ND	0.29	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.57	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.57	mg/kg	
83-32-9	Acenaphthene	ND	0.11	mg/kg	
208-96-8	Acenaphthylene	ND	0.11	mg/kg	
98-86-2	Acetophenone	ND	0.57	mg/kg	
62-53-3	Aniline	ND	0.57	mg/kg	
120-12-7	Anthracene	ND	0.11	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.11	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.29	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.11	mg/kg	
191-24-2	Benzo(k)fluoranthene	ND	0.11	mg/kg	
207-08-9	Benzo(g,h,i)perylene	ND	0.11	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.29	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.29	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.29	mg/kg	
106-47-8	4-Chloroaniline	ND	0.57	mg/kg	
218-01-9	Chrysene	0.115	0.11	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.29	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.29	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.29	mg/kg	

ND = Not detected
RL = Reporting Limit
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Report of Analysis

Client Sample ID:	PC 12 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-48	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.8
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.29	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.29	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.29	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.29	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.57	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.57	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.57	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	mg/kg	
132-64-9	Dibenzofuran	ND	0.11	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.29	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.29	mg/kg	
84-66-2	Diethyl phthalate	ND	0.29	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.29	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.29	mg/kg	
206-44-0	Fluoranthene	0.222	0.11	mg/kg	
86-73-7	Fluorene	ND	0.11	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.29	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.29	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.57	mg/kg	
67-72-1	Hexachloroethane	ND	0.29	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.29	mg/kg	
78-59-1	Isophorone	ND	0.29	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.11	mg/kg	
91-20-3	Naphthalene	ND	0.11	mg/kg	
98-95-3	Nitrobenzene	ND	0.29	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.29	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.29	mg/kg	
85-01-8	Phenanthrene	0.127	0.11	mg/kg	
129-00-0	Pyrene	0.209	0.11	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.29	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	72%		25-109%
4165-62-2	Phenol d5	76%		29-113%
118-79-6	2,4,6-Tribromophenol	85%		20-141%
4165-60-0	Nitrobenzene-d5	73%		27-115%
321-60-8	2-Fluorobiphenyl	78%		34-118%
1718-51-0	Terphenyl d14	92%		42-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 12 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 48	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.8
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.48



ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.					

NID = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound



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ACCUTEST

Report of Analysis

Client Sample ID:	PC-12 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-48	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.8
Method:	SW846 8015		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.48



Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WX79872.D	1	03/30/17	AF	n/a	n/a	GWX3998
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	9.86 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	7.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4 Trifluorotoluene	103%		64-127%

NID = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound



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ACCUTEST

Report of Analysis

Client Sample ID:	PC-12 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 48	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.8
Method:	SW846 8081B SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE54535.D	1	04/04/17	AP	03/31/17	OP49567	GBE2736
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.2 g	10.0 ml
Run #2		

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0059	mg/kg	
319-84-6	alpha BHC	ND	0.0059	mg/kg	
319-85-7	beta-BHC	ND	0.0059	mg/kg	
319-86-8	delta-BHC	ND	0.0059	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.059	mg/kg	
60-57-1	Dieldrin	ND	0.0059	mg/kg	
72-54-8	4,4'-DDD	ND	0.0059	mg/kg	
72-55-9	4,4'-DDE	ND	0.0059	mg/kg	
50-29-3	4,4'-DDT	ND	0.0059	mg/kg	
72-20-8	Endrin	ND	0.0059	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0059	mg/kg	
959-98-8	Endosulfan-I	ND	0.0059	mg/kg	
33213-65-9	Endosulfan-II	ND	0.0059	mg/kg	
76-44-8	Heptachlor	ND	0.0059	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0059	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0059	mg/kg	
72-43-5	Methoxychlor	ND	0.0059	mg/kg	
53494-70-5	Endrin ketone	ND	0.0059	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877 09 8	Tetrachloro m xylene	82%		10 143%
877-09 8	Tetrachloro-m-xylene	78%		10-143%
2051 24 3	Decachlorobiphenyl	52%		10 172%
2051 24 3	Decachlorobiphenyl	78%		10 172%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-12 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 48	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.8
Method:	SW846 8082A SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65089.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.2 g	10.0 ml
Run #2		

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.030	mg/kg	
11104-28-2	Aroclor 1221	ND	0.030	mg/kg	
11141-16-5	Aroclor 1232	ND	0.030	mg/kg	
53469-21-9	Aroclor 1242	ND	0.030	mg/kg	
12672-29-6	Aroclor 1248	ND	0.030	mg/kg	
11097-69-1	Aroclor 1254	ND	0.030	mg/kg	
11096-82-5	Aroclor 1260	ND	0.030	mg/kg	
37324-23-5	Aroclor 1262	ND	0.030	mg/kg	
11100-14-4	Aroclor 1268	ND	0.030	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09 8	Tetrachloro-m-xylene	87%		25-145%
877-09 8	Tetrachloro-m-xylene	79%		25-145%
2051-24-3	Decachlorobiphenyl	102%		25-179%
2051-24-3	Decachlorobiphenyl	92%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 12 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 48	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.8
Method:	SW846 8151 SW846 8151/3550C		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3C107673.D	04/06/17	ANJ	04/05/17	N:OP1615	N:C3G3754
Run #2						

Initial Weight	Final Volume
Run #1 15.1 g	5.0 ml
Run #2	

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.020	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0040	mg/kg	
93-76-5	2,4,5-T	ND	0.0040	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
19719-28-9	2,4-DCAA	94%		10-159%	
19719-28-9	2,4-DCAA	45%		10-159%	

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 12 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 48	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.8
Method:	SW846 8015 SW846 3546		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4506.D	04/05/17	AP	03/31/17	OP49565	GCR1276
Run #2						

Initial Weight	Final Volume
Run #1 15.4 g	1.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
	TPH DRO (Semi-VOA)	50.0	19	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o Terphenyl	111%		17-130%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: PC-12 0-15' COMP
Lab Sample ID: MC49976-48
Matrix: SO - Soil
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17
Date Received: 03/29/17
Percent Solids: 83.8

4.48

4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic ^a	7.2	2.3	mg/kg	1	04/02/17	04/04/17	ANJ SW846 6010C 2	SW846 3050B 4
Barium ^a	61.7	5.7	mg/kg	1	04/02/17	04/04/17	ANJ SW846 6010C 2	SW846 3050B 4
Cadmium ^a	0.77	0.57	mg/kg	1	04/02/17	04/04/17	ANJ SW846 6010C 2	SW846 3050B 4
Chromium ^a	13.9	1.1	mg/kg	1	04/02/17	04/04/17	ANJ SW846 6010C 2	SW846 3050B 4
Lead ^a	238	2.3	mg/kg	1	04/02/17	04/04/17	ANJ SW846 6010C 2	SW846 3050B 4
Mercury ^a	0.17	0.038	mg/kg	1	04/01/17	04/01/17	ANJ SW846 7471B 1	SW846 7471B 3
Selenium ^a	< 2.3	2.3	mg/kg	1	04/02/17	04/04/17	ANJ SW846 6010C 2	SW846 3050B 4
Silver ^a	< 0.57	0.57	mg/kg	1	04/02/17	04/04/17	ANJ SW846 6010C 2	SW846 3050B 4

(1) Instrument QC Batch: N:MA41691

(2) Instrument QC Batch: N:MA41707

(3) Prep QC Batch: N:MP99635

(4) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID: PC-12 0-15' COMP
Lab Sample ID: MC49976-48
Matrix: SO - Soil
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17
Date Received: 03/29/17
Percent Solids: 83.8

4.48

4

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity ^a	< 12	12	mg/kg	1	04/03/17 12:35	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) ^a	> 200		Deg. F	1	04/05/17 16:35	ANJ	SW846 1010A/ASTM D93
Solids, Percent ^a	83.8		%	1	04/03/17 19:15	ANJ	SM2540 G-97
Specific Conductivity ^a	330	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity ^a	< 120	120	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH ^a	7.59		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: PC 13 0 5'

Lab Sample ID: MC 49976 49

Matrix: SO - Soil

Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 82.5

4.49 4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	340	2.5	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C 1 SW846 3050B 2

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: PC 13 5 10'

Lab Sample ID: MC49976-50

Matrix: SO - Soil

Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 61.4

4.50 4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	62.3	3.2	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C 1 SW846 3050B 2

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-13 10-15'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-51	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	88.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	4.8	2.2	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C ¹ SW846 3050B ²

- (1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

4.51 4

Report of Analysis

Client Sample ID:	PC-13 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-52	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	84.9
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83413.D	1	04/06/17	DRY	n/a	n/a	MSM3006
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	5.15 g	5.0 ml
Run #2		

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	0.011	mg/kg	
71-43-2	Benzene	ND	0.00057	mg/kg	
108-86-1	Bromobenzene	ND	0.0057	mg/kg	
74-97-5	Bromochloromethane	ND	0.0057	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0023	mg/kg	
75-25-2	Bromoform	ND	0.0023	mg/kg	
74-83-9	Bromomethane	ND	0.011	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0057	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0057	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0057	mg/kg	
75-15-0	Carbon disulfide	ND	0.0057	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0023	mg/kg	
108-90-7	Chlorobenzene	ND	0.0023	mg/kg	
75-00-3	Chloroethane	ND	0.011	mg/kg	
67-66-3	Chloroform	ND	0.0023	mg/kg	
74-87-3	Chloromethane	ND	0.0057	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0057	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0057	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0023	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0057	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0057	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0023	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0023	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0023	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0023	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0057	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0023	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0023	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0023	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0023	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0023	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

4.52

4

Client Sample ID: PC-13 0-15' COMP

Lab Sample ID: MC49976 52

Matrix: SO - Soil

Method: SW846 8260C

Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 84.9

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78 87-5	1,2-Dichloropropane	ND	0.0023	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0057	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0057	mg/kg	
563-58-6	1,1-Dichloropropane	ND	0.0057	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0023	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0023	mg/kg	
123-91-1	1,4-Dioxane	ND	0.14	mg/kg	
60-29-7	Ethyl Ether	ND	0.0057	mg/kg	
100-41-4	Ethylbenzene	ND	0.0023	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0057	mg/kg	
591-78-6	2-Hexanone	ND	0.0057	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0057	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0057	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0023	mg/kg	
108-10-1	4-Methyl 2-pentanone (MIBK)	ND	0.0057	mg/kg	
74-95-3	Methylene bromide	ND	0.0057	mg/kg	
75-09-2	Methylene chloride	ND	0.0023	mg/kg	
91-20-3	Naphthalene	ND	0.0057	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0057	mg/kg	
100-42-5	Styrene	ND	0.0057	mg/kg	
994-05-8	tert Amyl Methyl Ether	ND	0.0057	mg/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	0.0023	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0023	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0057	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0023	mg/kg	
109-99-9	Tetrahydrofuran	ND	0.011	mg/kg	
108-88-3	Toluene	ND	0.0057	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0057	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0057	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0023	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0023	mg/kg	
79-01-6	Trichloroethene	ND	0.0023	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0023	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0057	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0057	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.011	mg/kg	
75-01-4	Vinyl chloride	ND	0.0023	mg/kg	
95-47-6	m,p-Xylene	0.0039	0.0023	mg/kg	
1330-20-7	o-Xylene	ND	0.0023	mg/kg	
	Xylene (total)	0.0055	0.0023	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.52

4

Client Sample ID: PC-13 0-15' COMP

Lab Sample ID: MC49976 52

Matrix: SO - Soil

Method: SW846 8260C

Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 84.9

VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		65-141%
2037-26-5	Toluene-D8	99%		65-129%
460-00-4	4-Bromofluorobenzene	127%		63-137%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 13 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 52	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	84.9
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	R51615.D	1	04/05/17	DRY	03/31/17	OP49564	MSR1939

Run #1	Initial Weight	Final Volume
Run #2	20.1 g	1.0 ml

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65 85 0	Benzoic acid	ND	0.59	mg/kg	
95 57 8	2-Chlorophenol	ND	0.29	mg/kg	
59 50 7	4-Chloro-3-methyl phenol	ND	0.59	mg/kg	
120 83 2	2,4-Dichlorophenol	ND	0.59	mg/kg	
105 67 9	2,4 Dimethylphenol	ND	0.59	mg/kg	
51 28 5	2,4-Dinitrophenol a	ND	0.59	mg/kg	
95 48 7	2-Methylphenol	ND	0.59	mg/kg	
	3&4 Methylphenol	ND	0.59	mg/kg	
88 75 5	2-Nitrophenol	ND	0.59	mg/kg	
100 02 7	4-Nitrophenol	ND	0.59	mg/kg	
87 86 5	Pentachlorophenol	ND	0.59	mg/kg	
108 95 2	Phenol	ND	0.29	mg/kg	
95 95 4	2,4,5 Trichlorophenol	ND	0.59	mg/kg	
88 06 2	2,4,6-Trichlorophenol	ND	0.59	mg/kg	
83 32 9	Acenaphthene	ND	0.12	mg/kg	
208 96 8	Acenaphthylene	ND	0.12	mg/kg	
98 86 2	Acetophenone	ND	0.59	mg/kg	
62 53 3	Aniline	ND	0.59	mg/kg	
120 12 7	Anthracene	0.133	0.12	mg/kg	
56 55 3	Benzo(a)anthracene	0.512	0.12	mg/kg	
50 32 8	Benzo(a)pyrene	0.539	0.29	mg/kg	
205 99 2	Benzo(b)fluoranthene	0.413	0.12	mg/kg	
191 24 2	Benzo(g,h,i)perylene	0.304	0.12	mg/kg	
207 08 9	Benzo(k)fluoranthene	0.416	0.12	mg/kg	
101 55 3	4-Bromophenyl phenyl ether	ND	0.29	mg/kg	
85 68 7	Butyl benzyl phthalate	ND	0.29	mg/kg	
91 58 7	2-Chloronaphthalene	ND	0.29	mg/kg	
106 47 8	4-Chloroaniline	ND	0.59	mg/kg	
218 01 9	Chrysene	0.509	0.12	mg/kg	
111 91 1	bis(2-Chloroethoxy)methane	ND	0.29	mg/kg	
111 44 4	bis(2-Chloroethyl)ether	ND	0.29	mg/kg	
108 60 1	bis(2-Chloroisopropyl)ether	ND	0.29	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 13 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 52	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	84.9
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95 50 1	1,2-Dichlorobenzene	ND	0.29	mg/kg	
122 66 7	1,2-Diphenylhydrazine	ND	0.29	mg/kg	
541 73 1	1,3-Dichlorobenzene	ND	0.29	mg/kg	
106 46 7	1,4-Dichlorobenzene	ND	0.29	mg/kg	
121 14 2	2,4-Dinitrotoluene	ND	0.59	mg/kg	
606 20 2	2,6-Dinitrotoluene	ND	0.59	mg/kg	
91 94 1	3,3'-Dichlorobenzidine	ND	0.59	mg/kg	
53 70 3	Dibenzo(a,h)anthracene	ND	0.12	mg/kg	
132 64 9	Dibenzofuran	ND	0.12	mg/kg	
84 74 2	Di-n-butyl phthalate	ND	0.29	mg/kg	
117 84 0	Di-n-octyl phthalate	ND	0.29	mg/kg	
84 66 2	Diethyl phthalate	ND	0.29	mg/kg	
131 11 3	Dimethyl phthalate	ND	0.29	mg/kg	
117 81 7	bis(2-Ethylhexyl)phthalate	ND	0.29	mg/kg	
206 44 0	Fluoranthene	1.02	0.12	mg/kg	
86 73 7	Fluorene	ND	0.12	mg/kg	
118 74 1	Hexachlorobenzene	ND	0.29	mg/kg	
87 68 3	Hexachlorobutadiene	ND	0.29	mg/kg	
77 47 4	Hexachlorocyclopentadiene	ND	0.59	mg/kg	
67 72 1	Hexachloroethane	ND	0.29	mg/kg	
193 39 5	Indeno(1,2,3 cd)pyrene	0.335	0.29	mg/kg	
78 59 1	Isophorone	ND	0.29	mg/kg	
91 57 6	2-Methylnaphthalene	ND	0.12	mg/kg	
91 20 3	Naphthalene	ND	0.12	mg/kg	
98 95 3	Nitrobenzene	ND	0.29	mg/kg	
621 64 7	N-Nitroso-di-n-propylamine	ND	0.29	mg/kg	
86 30 6	N-Nitrosodiphenylamine	ND	0.29	mg/kg	
85 01 8	Phenanthrene	0.579	0.12	mg/kg	
129 00 0	Pyrene	0.955	0.12	mg/kg	
120 82 1	1,2,4-Trichlorobenzene	ND	0.29	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367 12 4	2-Fluorophenol	45%		25-109%
4165 62 2	Phenol d5	51%		29 113%
118 79 6	2,4,6-Tribromophenol	72%		20 141%
4165 60 0	Nitrobenzene d5	47%		27 115%
321 60 8	2-Fluorobiphenyl	55%		34 118%
1718 51 0	Terphenyl d14	76%		42 139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-13 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-52	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	84.9
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.					

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4

Report of Analysis

Client Sample ID:	PC-13 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-52	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	84.9
Method:	SW846 8015		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	WX79873.D	1	03/30/17	AF	n/a	n/a	CWX3998

Run #1	Initial Weight	Final Volume	Methanol Aliquot
Run #2	10.6 g	10.0 ml	100 ul

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	6.5	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
	2,3,4 Trifluorotoluene	105%		64 127%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-13 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 52	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	84.9
Method:	SW846 8081B SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BF54536.D	04/04/17	AP	03/31/17	OP49567	GBE2736
Run #2						

	Initial Weight	Final Volume
Run #1	20.9 g	10.0 ml
Run #2		

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0056	mg/kg	
319 84 6	alpha BHC	ND	0.0056	mg/kg	
319 85 7	beta BHC	ND	0.0056	mg/kg	
319-86-8	delta-BHC	ND	0.0056	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.056	mg/kg	
60-57-1	Dieldrin	ND	0.0056	mg/kg	
72-54-8	4,4'-DDD	ND	0.0056	mg/kg	
72-55-9	4,4'-DDE	ND	0.0056	mg/kg	
50-29-3	4,4'-DDT	ND	0.0056	mg/kg	
72-20-8	Endrin	ND	0.0056	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0056	mg/kg	
959-98-8	Endosulfan-I	ND	0.0056	mg/kg	
33213-65-9	Endosulfan-II	ND	0.0056	mg/kg	
76-44-8	Heptachlor	ND	0.0056	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0056	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0056	mg/kg	
72-43-5	Methoxychlor	ND	0.0056	mg/kg	
53494-70-5	Endrin ketone	ND	0.0056	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877 09 8	Tetrachloro m xylene	71%		10-143%
877-09-8	Tetrachloro m-xylene	77%		10 143%
2051-24-3	Decachlorobiphenyl	56%		10 172%
2051-24-3	Decachlorobiphenyl	90%		10-172%

ND = Not detected
RL = Reporting Limit
F = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 13 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 52	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	84.9
Method:	SW846 8082A SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65090.D	04/04/17	AP	03/31/17	OP49566	CBK2075
Run #2						

	Initial Weight	Final Volume
Run #1	20.9 g	10.0 ml
Run #2		

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.028	mg/kg	
11104 28-2	Aroclor 1221	ND	0.028	mg/kg	
11141 16 5	Aroclor 1232	ND	0.028	mg/kg	
53469-21-9	Aroclor 1242	ND	0.028	mg/kg	
12672-29-6	Aroclor 1248	ND	0.028	mg/kg	
11097 69-1	Aroclor 1254	ND	0.028	mg/kg	
11096-82-5	Aroclor 1260	ND	0.028	mg/kg	
37324 23-5	Aroclor 1262	ND	0.028	mg/kg	
11100-14-4	Aroclor 1268	ND	0.028	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%		25 145%
877-09-8	Tetrachloro-m-xylene	74%		25 145%
2051-24-3	Decachlorobiphenyl	96%		25 179%
2051 24 3	Decachlorobiphenyl	82%		25 179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 13 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC 49976 52	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	84.9
Method:	SW846 8151 SW846 8151/3550C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3G107674.D	04/06/17	ANJ	04/05/17	N:OP1615	N:G3G3754
Run #2						

Initial Weight	Final Volume
Run #1	16.0 g
Run #2	5.0 ml

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.018	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0037	mg/kg	
93-76-5	2,4,5-T	ND	0.0037	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	152% ^b		10-159%
19719-28-9	2,4-DCAA	60%		10-159%

- (a) Analysis performed at SGS Accutest, Dayton, NJ.
(b) High percent recoveries and no positive found in the sample.

ND = Not detected
RL = Reporting Limit
F = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound



Report of Analysis

Client Sample ID:	PC 13 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC 49976 52	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	84.9
Method:	SW846 8015 SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4498.D	04/04/17	AP	03/31/17	OP49565	GCR1276
Run #2						

Initial Weight	Final Volume
Run #1	15.5 g
Run #2	1.0 ml

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	41.9	19	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	106%		17-130%	

ND = Not detected
RL = Reporting Limit
F = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound



Report of Analysis

Page 1 of 1

Client Sample ID:	PC 13 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 52	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	84.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic ^a	3.5	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 3050B 4
Barium ^a	36.5	5.8	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 3050B 4
Cadmium ^a	<0.58	0.58	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 3050B 4
Chromium ^a	12.6	1.2	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 3050B 4
Lead ^a	71.7	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 3050B 4
Mercury ^a	0.60	0.036	mg/kg	1	04/01/17	04/01/17	ANJ	SW846 7471B 3
Selenium ^a	<2.3	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 3050B 4
Silver ^a	<0.58	0.58	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 3050B 4

- (1) Instrument QC Batch: N:MA41691
(2) Instrument QC Batch: N:MA41707
(3) Prep QC Batch: N:MP99635
(4) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	PC 13 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 52	Date Received:	03/29/17
Matrix:	SO Soil	Percent Solids:	84.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity ^a	<11	11	mg/kg	1	04/03/17 12:36	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) ^a	>200		Deg. F	1	04/05/17 16:35	ANJ	SW846 1010A/ASTM D93
Solids, Percent ^a	84.9		%	1	04/03/17 19:15	ANJ	SM2540 C-97
Specific Conductivity ^a	1360	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity ^a	<110	110	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH ^a	6.38		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	PC-14-0-5'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 53	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	90.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	23.9	2.2	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C ¹ SW846 3050B ²

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

4.54

4

Client Sample ID:	PC-14-5-10'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 54	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	82.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	59.8	2.4	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C ¹ SW846 3050B ²

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-14 10 15'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-55	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	85.8
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	2.4	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C ¹ SW846 3050B ²

(1) Instrument QC Batch: N:MA41707

(2) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

Report of Analysis

Client Sample ID:	PC 14 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-56	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.3
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83312.D	1	03/31/17	DRY	n/a	n/a	MSM3003
Run #2 ^a	M83317.D	1	03/31/17	DRY	n/a	n/a	MSM3003

Run #	Initial Weight	Final Volume
Run #1	4.99 g	5.0 ml
Run #2	5.17 g	5.0 ml

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone ^b	0.0377	0.011	mg/kg	
71-43-2	Benzene	ND	0.00057	mg/kg	
108-86-1	Bromobenzene	ND	0.0057	mg/kg	
74-97-5	Bromochloromethane	ND	0.0057	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0023	mg/kg	
75-25-2	Bromoform	ND	0.0023	mg/kg	
74-83-9	Bromomethane	ND	0.011	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0057	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0057	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0057	mg/kg	
75-15-0	Carbon disulfide	ND	0.0057	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0023	mg/kg	
108-90-7	Chlorobenzene	ND	0.0023	mg/kg	
75-00-3	Chloroethane	ND	0.011	mg/kg	
67-66-3	Chloroform	ND	0.0023	mg/kg	
74-87-3	Chloromethane	ND	0.0057	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0057	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0057	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0023	mg/kg	
96-12-8	1,2-Dibromo 3-chloropropane	ND	0.0057	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0057	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0023	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0023	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0023	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0023	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0057	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0023	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0023	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0023	mg/kg	
156-59-2	cis 1,2 Dichloroethene	ND	0.0023	mg/kg	
156-60-5	trans 1,2 Dichloroethene	ND	0.0023	mg/kg	

ND = Not detected

RL = Reporting Limit

F = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 14 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-56	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.3
Method:	SW846 8260C		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

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VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	0.0023	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0057	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0057	mg/kg	
563-58-6	1,1-Dichloropropene	ND	0.0057	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0023	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0023	mg/kg	
123-91-1	1,4-Dioxane	ND	0.14	mg/kg	
60-29-7	Ethyl Ether	ND	0.0057	mg/kg	
100-41-4	Ethylbenzene	ND	0.0023	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0057	mg/kg	
591-78-6	2-Hexanone	ND	0.0057	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0057	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0057	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0023	mg/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	0.0057	mg/kg	
74-95-3	Methylene bromide	ND	0.0057	mg/kg	
75-09-2	Methylene chloride	ND	0.0023	mg/kg	
91-20-3	Naphthalene	ND	0.0057	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0057	mg/kg	
100-42-5	Styrene	ND	0.0057	mg/kg	
994-05-8	tert-Amyl Methyl Ether	ND	0.0057	mg/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	0.0023	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0023	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0057	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0023	mg/kg	
109-99-9	Tetrahydrofuran	ND	0.011	mg/kg	
108-88-3	Toluene	ND	0.0057	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0057	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0057	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0023	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0023	mg/kg	
79-01-6	Trichloroethene	ND	0.0023	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0023	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0057	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0057	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0057	mg/kg	
75-01-4	Vinyl chloride	ND	0.011	mg/kg	
95-47-6	m,p-Xylene	0.0063	0.0023	mg/kg	
	o-Xylene	0.0026	0.0023	mg/kg	
1330-20-7	Xylene (total)	0.0089	0.0023	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 14 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-56	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.3
Method:	SW846 8260C		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.56 4

VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	147% c	173% c	65-141%
2037-26-5	Toluene-D8	107%	114%	65-129%
460-00-4	4-Bromofluorobenzene	112%	103%	63-137%

(a) Confirmation run.
(b) Initial and Continuing Calibration Verification outside of acceptance criteria. Result may be biased high.
(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 14 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-56	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.3
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	R51616.D	1	04/05/17	DRY	03/31/17	OP49564	MSR1939

Run #1	Initial Weight	Final Volume
Run #2	20.1 g	1.0 ml

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.57	mg/kg	
95-57-8	2-Chlorophenol	ND	0.28	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.57	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.57	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.57	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.57	mg/kg	
95-48-7	2-Methylphenol	ND	0.57	mg/kg	
	3&4-Methylphenol	ND	0.57	mg/kg	
88-75-5	2-Nitrophenol	ND	0.57	mg/kg	
100-02-7	4-Nitrophenol	ND	0.57	mg/kg	
87-86-5	Pentachlorophenol	ND	0.57	mg/kg	
108-95-2	Phenol	ND	0.28	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.57	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.57	mg/kg	
83-32-9	Acenaphthene	ND	0.11	mg/kg	
208-96-8	Acenaphthylene	ND	0.11	mg/kg	
98-86-2	Acetophenone	ND	0.57	mg/kg	
62-53-3	Aniline	ND	0.57	mg/kg	
120-12-7	Anthracene	0.154	0.11	mg/kg	
56-55-3	Benzo(a)anthracene	0.384	0.11	mg/kg	
50-32-8	Benzo(a)pyrene	0.384	0.28	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.283	0.11	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.217	0.11	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.291	0.11	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.28	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.28	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.28	mg/kg	
106-47-8	4-Chloroaniline	ND	0.57	mg/kg	
218-01-9	Chrysene	0.348	0.11	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.28	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.28	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.28	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-14 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-56	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.3
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.28	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.28	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.28	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.28	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.57	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.57	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.57	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	mg/kg	
132-64-9	Dibenzofuran	ND	0.11	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.28	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.28	mg/kg	
84-66-2	Diethyl phthalate	ND	0.28	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.28	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.28	mg/kg	
206-44-0	Fluoranthene	0.882	0.11	mg/kg	
86-73-7	Fluorene	ND	0.11	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.28	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.28	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.57	mg/kg	
67-72-1	Hexachloroethane	ND	0.28	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.28	mg/kg	
78-59-1	Isophorone	ND	0.28	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.11	mg/kg	
91-20-3	Naphthalene	ND	0.11	mg/kg	
98-95-3	Nitrobenzene	ND	0.28	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.28	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.28	mg/kg	
85-01-8	Phenanthrene	0.624	0.11	mg/kg	
129-00-0	Pyrene	0.759	0.11	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.28	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
367-12-4	2-Fluorophenol	80%		25-109%	
4165-62-2	Phenol-d5	81%		29-113%	
118-79-6	2,4,6-Tribromophenol	89%		20-141%	
4165-60-0	Nitrobenzene-d5	75%		27-115%	
321-60-8	2-Fluorobiphenyl	80%		34-118%	
1718-51-0	Terphenyl-d14	89%		42-139%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 14 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 56	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.3
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
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(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.

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Report of Analysis

Client Sample ID:	PC 14 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 56	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.3
Method:	SW846 8015		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	WX79874.D	1	03/30/17	AF	n/a	n/a	GWX3998

Run #1	Initial Weight	Final Volume	Methanol Aliquot
Run #2	9.76 g	10.0 ml	100 ul

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	6.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4 Trifluorotoluene	103%		64-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 14 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-56	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.3
Method:	SW846 8081B SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	BE54537.D	1	04/04/17	AP	03/31/17	OP49567	GBE2736

Run #1	Initial Weight	Final Volume
Run #2	20.4 g	10.0 ml

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0056	mg/kg	
319-84-6	alpha-BHC	ND	0.0056	mg/kg	
319-85-7	beta BHC	ND	0.0056	mg/kg	
319-86-8	delta-BHC	ND	0.0056	mg/kg	
58-89-9	gamma-BHC (lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.056	mg/kg	
60-57-1	Dieldrin	ND	0.0056	mg/kg	
72-54-8	4,4'-DDD	ND	0.0056	mg/kg	
72-55-9	4,4'-DDE	ND	0.0056	mg/kg	
50-29-3	4,4'-DDT	ND	0.0056	mg/kg	
72-20-8	Endrin	ND	0.0056	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0056	mg/kg	
959-98-8	Endosulfan-I	ND	0.0056	mg/kg	
33213-65-9	Endosulfan-II	ND	0.0056	mg/kg	
76-44-8	Heptachlor	ND	0.0056	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0056	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0056	mg/kg	
72-43-5	Methoxychlor	ND	0.0056	mg/kg	
53494-70-5	Endrin ketone	ND	0.0056	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	60%		10-143%
877-09-8	Tetrachloro-m-xylene	68%		10-143%
2051-24-3	Decachlorobiphenyl	55%		10-172%
2051-24-3	Decachlorobiphenyl	90%		10-172%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-14 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-56	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.3
Method:	SW846 8082A SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	BK65091.D	1	04/04/17	AP	03/31/17	OP49566	CBK2075

Run #1	Initial Weight	Final Volume
Run #2	20.4 g	10.0 ml

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.028	mg/kg	
11104-28-2	Aroclor 1221	ND	0.028	mg/kg	
11141-16-5	Aroclor 1232	ND	0.028	mg/kg	
53469-21-9	Aroclor 1242	ND	0.028	mg/kg	
12672-29-6	Aroclor 1248	ND	0.028	mg/kg	
11097-69-1	Aroclor 1254	ND	0.028	mg/kg	
11096-82-5	Aroclor 1260	ND	0.028	mg/kg	
37324-23-5	Aroclor 1262	ND	0.028	mg/kg	
11100-14-4	Aroclor 1268	ND	0.028	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%		25-145%
877-09-8	Tetrachloro-m-xylene	68%		25-145%
2051-24-3	Decachlorobiphenyl	91%		25-179%
2051-24-3	Decachlorobiphenyl	79%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 14 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 56	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.3
Method:	SW846 8151 SW846 8151/3550C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C107675.D	04/06/17	ANJ	04/05/17	N:OP1615	N:C3G3754
Run #2						

Initial Weight	Final Volume
Run #1 15.3 g	5.0 ml
Run #2	

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.019	mg/kg	
93-72-1	2,4,5 TP (Silvex)	ND	0.0037	mg/kg	
93-76-5	2,4,5-T	ND	0.0037	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
19719-28-9	2,4-DCAA	156% ^b		10-159%	
19719-28-9	2,4-DCAA	122%		10-159%	

- (a) Analysis performed at SGS Accutest, Dayton, NJ.
- (b) High percent recoveries and no positive found in the sample.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 14 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 56	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.3
Method:	SW846 8015 SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4507.D	04/05/17	AP	03/31/17	OP49565	GCR1276
Run #2						

Initial Weight	Final Volume
Run #1 15.2 g	1.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
	TPH DRO (Semi VOA)	33.3	19	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o Terphenyl	91%		17-130%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: PC 14 0 15' COMP
Lab Sample ID: MC49976-56
Matrix: SO - Soil
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17
Date Received: 03/29/17
Percent Solids: 87.3

4.56

4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic ^a	2.5	2.4	mg/kg	1	04/02/17	04/04/17	ANJ SW846 6010C 2	SW846 3050B 4
Barium ^a	16.3	5.9	mg/kg	1	04/02/17	04/04/17	ANJ SW846 6010C 2	SW846 3050B 4
Cadmium ^a	<0.59	0.59	mg/kg	1	04/02/17	04/04/17	ANJ SW846 6010C 2	SW846 3050B 4
Chromium ^a	8.2	1.2	mg/kg	1	04/02/17	04/04/17	ANJ SW846 6010C 2	SW846 3050B 4
Lead ^a	22.8	2.4	mg/kg	1	04/02/17	04/04/17	ANJ SW846 6010C 2	SW846 3050B 4
Mercury ^a	0.11	0.035	mg/kg	1	04/01/17	04/01/17	ANJ SW846 7471B 1	SW846 7471B 3
Selenium ^a	<2.4	2.4	mg/kg	1	04/02/17	04/04/17	ANJ SW846 6010C 2	SW846 3050B 4
Silver ^a	<0.59	0.59	mg/kg	1	04/02/17	04/04/17	ANJ SW846 6010C 2	SW846 3050B 4

- (1) Instrument QC Batch: N:MA41691
(2) Instrument QC Batch: N:MA41707
(3) Prep QC Batch: N:MP99635
(4) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

SGS

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Report of Analysis

Page 1 of 1

Client Sample ID: PC-14 0-15' COMP
Lab Sample ID: MC49976-56
Matrix: SO - Soil
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17
Date Received: 03/29/17
Percent Solids: 87.3

4.56

4

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity ^a	<11	11	mg/kg	1	04/03/17 12:37	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) ^a	>200		Deg. F	1	04/05/17 16:35	ANJ	SW846 1010A/ASTM D93
Solids, Percent ^a	87.3		%	1	04/03/17 19:15	ANJ	SM2540 C-97
Specific Conductivity ^a	240	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M SW9050AM
Sulfide Reactivity ^a	<110	110	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH ^a	7.28		su	1	04/05/17 11:36	ANJ	SW846 9043D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

SGS

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ACCUTEST

Report of Analysis

4.574

Client Sample ID:	PC-15 0.5'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-57	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	84.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	197	2.5	mg/kg	1	04/02/17	04/04/17	ANJ SW846 6010C.1	SW846 3050H.2

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

4.584

Client Sample ID:	PC-15 5-10'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-58	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	75.8
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	9.7	2.5	mg/kg	1	04/02/17	04/04/17	ANJ SW846 6010C.1	SW846 3050H.2

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 15 10 15'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 59	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	89.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	3.2	2.2	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C ¹ SW846 3050B ²

(1) Instrument QC Batch: N:MA41707

(2) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

4.59

4

Report of Analysis

Client Sample ID:	PC 15 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 60	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.7
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83313.D	1	03/31/17	DRY	n/a	n/a	MSM3003
Run #2 ^a	M83318.D	1	03/31/17	DRY	n/a	n/a	MSM3003

Run #	Initial Weight	Final Volume
Run #1	4.45 g	5.0 ml
Run #2	6.40 g	5.0 ml

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	0.013	mg/kg	
71-43-2	Benzene	ND	0.00067	mg/kg	
108-86-1	Bromobenzene	ND	0.0067	mg/kg	
74-97-5	Bromochloromethane	ND	0.0067	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0027	mg/kg	
75-25-2	Bromoform	ND	0.0027	mg/kg	
74-83-9	Bromomethane	ND	0.013	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.013	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0067	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0067	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0067	mg/kg	
75-15-0	Carbon disulfide	ND	0.0067	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0027	mg/kg	
108-90-7	Chlorobenzene	ND	0.0027	mg/kg	
75-00-3	Chloroethane	ND	0.013	mg/kg	
67-66-3	Chloroform	ND	0.0027	mg/kg	
74-87-3	Chloromethane	ND	0.0067	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0067	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0067	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0027	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0067	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0067	mg/kg	
106-93-4	1,2-Dibromomethane	ND	0.0067	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0027	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0027	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0027	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0027	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0067	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0027	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0027	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0027	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0027	mg/kg	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PC 15 0 15' COMP
Lab Sample ID: MC49976 60
Matrix: SO - Soil
Method: SW846 8260C
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Date Sampled: 03/28/17
Date Received: 03/29/17
Percent Solids: 83.7

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	0.0027	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0067	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0067	mg/kg	
563-58-6	1,1-Dichloropropene	ND	0.0067	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0027	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0027	mg/kg	
123-91-1	1,4-Dioxane	ND	0.17	mg/kg	
60-29-7	Ethyl Ether	ND	0.0067	mg/kg	
100-41-4	Ethylbenzene	ND	0.0027	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0067	mg/kg	
591-78-6	2-Hexanone	ND	0.0067	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0067	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0067	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0027	mg/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	0.0067	mg/kg	
74-95-3	Methylene bromide	ND	0.0067	mg/kg	
75-09-2	Methylene chloride	ND	0.0027	mg/kg	
91-20-3	Naphthalene	ND	0.0067	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0067	mg/kg	
100-42-5	Styrene	ND	0.0067	mg/kg	
994-05-8	tert-Amyl Methyl Ether	ND	0.0067	mg/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	0.0027	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0027	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0067	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0027	mg/kg	
109-99-9	Tetrahydrofuran	ND	0.013	mg/kg	
108-88-3	Toluene	ND	0.0067	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0067	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0067	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0027	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0027	mg/kg	
79-01-6	Trichloroethene	ND	0.0027	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0027	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0067	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0067	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0067	mg/kg	
75-01-4	Vinyl chloride	ND	0.013	mg/kg	
95-47-6	m,p-Xylene	0.0045	0.0027	mg/kg	
1330-20-7	o-Xylene	ND	0.0027	mg/kg	
	Xylene (total)	0.0063	0.0027	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PC 15 0 15' COMP
Lab Sample ID: MC49976 60
Matrix: SO - Soil
Method: SW846 8260C
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Date Sampled: 03/28/17
Date Received: 03/29/17
Percent Solids: 83.7

VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	151% ^b	167% ^b	65-141%
2037-26-5	Toluene-D8	111%	111%	65-129%
460-00-4	4-Bromofluorobenzene	116%	119%	63-137%

(a) Confirmation run.
(b) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PC-15 0-15' COMP
Lab Sample ID: MC49976-60
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17
Date Received: 03/29/17
Percent Solids: 83.7

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R51617.D	1	04/05/17	DRY	03/31/17	OP49564	MSR1939
Run #2	R51627.D	5	04/05/17	DRY	03/31/17	OP49564	MSR1940

Run #	Initial Weight	Final Volume
Run #1	20.9 g	1.0 ml
Run #2	20.9 g	1.0 ml

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.57	mg/kg	
95-57-8	2-Chlorophenol	ND	0.29	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.57	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.57	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.57	mg/kg	
51-28-5	2,4-Dinitrophenol a	ND	0.57	mg/kg	
95-48-7	2-Methylphenol	ND	0.57	mg/kg	
	3&4-Methylphenol	ND	0.57	mg/kg	
88-75-5	2-Nitrophenol	ND	0.57	mg/kg	
100-02-7	4-Nitrophenol	ND	0.57	mg/kg	
87-86-5	Pentachlorophenol	ND	0.57	mg/kg	
108-95-2	Phenol	ND	0.29	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.57	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.57	mg/kg	
83-32-9	Acenaphthene	0.756	0.11	mg/kg	
208-96-8	Acenaphthylene	ND	0.11	mg/kg	
98-86-2	Acetophenone	ND	0.57	mg/kg	
62-53-3	Aniline	ND	0.57	mg/kg	
120-12-7	Anthracene	1.75	0.11	mg/kg	
56-55-3	Benzo(a)anthracene	4.83	0.11	mg/kg	
50-32-8	Benzo(a)pyrene	5.22	0.29	mg/kg	
205-99-2	Benzo(b)fluoranthene	4.09	0.11	mg/kg	
191-24-2	Benzo(g,h,i)perylene	2.86	0.11	mg/kg	
207-08-9	Benzo(k)fluoranthene	3.45	0.11	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.29	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.29	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.29	mg/kg	
106-47-8	4-Chloroaniline	ND	0.57	mg/kg	
218-01-9	Chrysene	4.65	0.11	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.29	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.29	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.29	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PC-15 0-15' COMP
Lab Sample ID: MC49976-60
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17
Date Received: 03/29/17
Percent Solids: 83.7

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.29	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.29	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.29	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.29	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.57	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.57	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.57	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	1.05	0.11	mg/kg	
132-64-9	Dibenzofuran	0.294	0.11	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.29	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.29	mg/kg	
84-66-2	Diethyl phthalate	ND	0.29	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.29	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.29	mg/kg	
206-44-0	Fluoranthene	10.7 b	0.57	mg/kg	
86-73-7	Fluorene	0.537	0.11	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.29	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.29	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.57	mg/kg	
67-72-1	Hexachloroethane	ND	0.29	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	3.21	0.29	mg/kg	
78-59-1	Isophorone	ND	0.29	mg/kg	
91-57-6	2-Methylnaphthalene	0.133	0.11	mg/kg	
91-20-3	Naphthalene	0.158	0.11	mg/kg	
98-95-3	Nitrobenzene	ND	0.29	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.29	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.29	mg/kg	
85-01-8	Phenanthrene	7.19	0.11	mg/kg	
129-00-0	Pyrene	10.1 b	0.57	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.29	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	78%	83%	25-109%
4165-62-2	Phenol-d5	84%	81%	29-113%
118-79-6	2,4,6-Tribromophenol	91%	94%	20-141%
4165-60-0	Nitrobenzene-d5	77%	78%	27-115%
321-60-8	2-Fluorobiphenyl	83%	84%	34-118%
1718-51-0	Terphenyl-d14	94%	99%	42-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 15 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 60	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.7
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.					
(b) Result is from Run# 2					

4.60

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Report of Analysis

Client Sample ID:	PC 15 0 15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-60	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.7
Method:	SW846 8015		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	WX79875.D	1	03/30/17	AF	n/a	n/a	GWX3998

Run #1	Initial Weight	Final Volume	Methanol Aliquot
Run #2	9.88 g	10.0 ml	100 ul

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	7.0	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
	2,3,4 Trifluorotoluene	104%		64 127%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-15 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-60	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.7
Method:	SW846 8081B SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	BE54538.D	1	04/04/17	AP	03/31/17	OP49567	GBE2736

Run #1	Initial Weight	Final Volume
Run #2	20.6 g	10.0 ml

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0058	mg/kg	
319-84-6	alpha-BHC	ND	0.0058	mg/kg	
319-85-7	beta-BHC	ND	0.0058	mg/kg	
319-86-8	delta-BHC	ND	0.0058	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.058	mg/kg	
60-57-1	Dieldrin	ND	0.0058	mg/kg	
72-54-8	4,4'-DDD	ND	0.0058	mg/kg	
72-55-9	4,4'-DDE	ND	0.0058	mg/kg	
50-29-3	4,4'-DDT	ND	0.0058	mg/kg	
72-20-8	Endrin	ND	0.0058	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0058	mg/kg	
959-98-8	Endosulfan-I	ND	0.0058	mg/kg	
33213-65-9	Endosulfan II	ND	0.0058	mg/kg	
76-44-8	Heptachlor	ND	0.0058	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0058	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0058	mg/kg	
72-43-5	Methoxychlor	ND	0.0058	mg/kg	
53494-70-5	Endrin ketone	ND	0.0058	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	47%		10-143%
877-09-8	Tetrachloro m xylene	65%		10-143%
2051-24-3	Decachlorobiphenyl	53%		10-172%
2051-24-3	Decachlorobiphenyl	175% ^a		10-172%

(a) Outside control limits due to possible matrix interference.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-15 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-60	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.7
Method:	SW846 8082A SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	BK65092.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075

Run #1	Initial Weight	Final Volume
Run #2	20.6 g	10.0 ml

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.029	mg/kg	
11104-28-2	Aroclor 1221	ND	0.029	mg/kg	
11141-16-5	Aroclor 1232	ND	0.029	mg/kg	
53469-21-9	Aroclor 1242	ND	0.029	mg/kg	
12672-29-6	Aroclor 1248	ND	0.029	mg/kg	
11097-69-1	Aroclor 1254	ND	0.029	mg/kg	
11096-82-5	Aroclor 1260	ND	0.029	mg/kg	
37324-23-5	Aroclor 1262	ND	0.029	mg/kg	
11100-14-4	Aroclor 1268	ND	0.029	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
877-09-8	Tetrachloro-m-xylene	76%		25-145%	
877-09-8	Tetrachloro m xylene	55%		25-145%	
2051-24-3	Decachlorobiphenyl	83%		25-179%	
2051-24-3	Decachlorobiphenyl	64%		25-179%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-15 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC-49976 60	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.7
Method:	SW846 8151 SW846 8151/3550C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G107680.D	04/06/17	ANJ	04/05/17	N:OP1615	N:G3G3754
Run #2						

Initial Weight	Final Volume
Run #1 15.8 g	5.0 ml
Run #2	

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.019	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0038	mg/kg	
93-76-5	2,4,5-T	ND	0.0038	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	65%		10-159%
19719-28-9	2,4-DCAA	39%		10-159%

(a) Analysts performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-15 0-15' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC-49976 60	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	83.7
Method:	SW846 8015 SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4508.D	04/05/17	AP	03/31/17	OP49565	GCR1276
Run #2						

Initial Weight	Final Volume
Run #1 15.3 g	1.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	976	19	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	117%		17-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: PC-15 0-15' COMP
Lab Sample ID: MC49976-60
Matrix: SO Soil
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17
Date Received: 03/29/17
Percent Solids: 83.7

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Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic ^a	5.4	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 3050B ⁴
Barium ^a	59.1	5.9	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 3050B ⁴
Cadmium ^a	<0.59	0.59	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C ²
Chromium ^a	20.1	1.2	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C ²
Lead ^a	72.6	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 3050B ⁴
Mercury ^a	0.20	0.036	mg/kg	1	04/01/17	04/01/17	ANJ	SW846 7471B ³
Selenium ^a	<2.3	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C ²
Silver ^a	<0.59	0.59	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 3050B ⁴

(1) Instrument QC Batch: N:MA41691

(2) Instrument QC Batch: N:MA41707

(3) Prep QC Batch: N:MP99635

(4) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID: PC-15 0-15' COMP
Lab Sample ID: MC49976-60
Matrix: SO - Soil
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17
Date Received: 03/29/17
Percent Solids: 83.7

4.60 4

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity ^a	<11	11	mg/kg	1	04/03/17 12:39	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) ^a	>200		Deg. F	1	04/05/17 16:35	ANJ	SW846 1010A/ASTM D93
Solids, Percent ^a	83.7		%	1	04/03/17 19:15	ANJ	SM2540 G-97
Specific Conductivity ^a	330	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity ^a	<110	110	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH ^a	7.51		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

461

4

Client Sample ID: PC-16A 0.5'

Lab Sample ID: MC49976-61

Matrix: SO - Soil

Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 81.6

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	1270	4.7	mg/kg	2	04/02/17	04/05/17	ANJ SW846 6010C 1	SW846 3050B 2

- (1) Instrument QC Batch: N:MA41719
(2) Prep QC Batch: N:MP99641

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

462

4

Client Sample ID: PC-16B 0.5'

Lab Sample ID: MC49976-62

Matrix: SO - Soil

Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 82.8

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	1190	4.8	mg/kg	2	04/02/17	04/05/17	ANJ SW846 6010C 1	SW846 3050B 2

- (1) Instrument QC Batch: N:MA41719
(2) Prep QC Batch: N:MP99641

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Page 1 of 1

4.64 4

Client Sample ID: PC 16C 0 5'
 Lab Sample ID: MC49976 63
 Matrix: SO Soil
 Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17
 Date Received: 03/29/17
 Percent Solids: 80.7

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead a	70.0	2.5	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C 1

(1) Instrument QC Batch: N:MA41707

(2) Prep QC Batch: N:MP99641

(a) Analysis performed at SGS Accutest, Dayton, NJ.

Report of Analysis

Page 1 of 3

4.64 4

Client Sample ID: PC 16 0 5' COMP
 Lab Sample ID: MC49976 64
 Matrix: SO - Soil
 Method: SW846 8260C
 Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17
 Date Received: 03/29/17
 Percent Solids: 81.5

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83337.D	1	04/03/17	DRY	n/a	n/a	MSM3004
Run #2 a	M83341.D	1	04/03/17	DRY	n/a	n/a	MSM3004

Run #	Initial Weight	Final Volume
Run #1	4.99 g	5.0 ml
Run #2	5.16 g	5.0 ml

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone b	0.0587	0.012	mg/kg	
71-43-2	Benzene	ND	0.00061	mg/kg	
108-86-1	Bromobenzene	ND	0.0061	mg/kg	
74-97-5	Bromochloromethane	ND	0.0061	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0025	mg/kg	
75-25-2	Bromoform	ND	0.0025	mg/kg	
74-83-9	Bromomethane	ND	0.012	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.012	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0061	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0061	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0061	mg/kg	
75-15-0	Carbon disulfide	ND	0.0061	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0025	mg/kg	
108-90-7	Chlorobenzene	ND	0.0025	mg/kg	
75-00-3	Chloroethane	ND	0.012	mg/kg	
67-66-3	Chloroform	ND	0.0025	mg/kg	
74-87-3	Chloromethane	ND	0.0061	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0061	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0061	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0025	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0061	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0025	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0025	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0025	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0025	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0025	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0061	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0025	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0025	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0025	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0025	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0025	mg/kg	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 16 0 5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-64	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	81.5
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.64

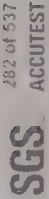


VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	0.0025	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0061	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0061	mg/kg	
563-58-6	1,1-Dichloropropane	ND	0.0061	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0025	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0025	mg/kg	
123-91-1	1,4-Dioxane	ND	0.15	mg/kg	
60-29-7	Ethyl Ether	ND	0.0061	mg/kg	
100-41-4	Ethylbenzene	0.0240	0.0025	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0061	mg/kg	
591-78-6	2-Hexanone	ND	0.0061	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0061	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0061	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0025	mg/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	0.0061	mg/kg	
74-95-3	Methylene bromide	ND	0.0061	mg/kg	
75-09-2	Methylene chloride	ND	0.0025	mg/kg	
91-20-3	Naphthalene	ND	0.0061	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0061	mg/kg	
100-42-5	Styrene	ND	0.0061	mg/kg	
994-05-8	tert-Amyl Methyl Ether	ND	0.0061	mg/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	0.0025	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0025	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0061	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0025	mg/kg	
109-99-9	Tetrahydrofuran	ND	0.012	mg/kg	
108-88-3	Toluene	ND	0.0061	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0061	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0061	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0025	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0025	mg/kg	
79-01-6	Trichloroethene	ND	0.0025	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0025	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0061	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0061	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0061	mg/kg	
75-01-4	Vinyl chloride	ND	0.012	mg/kg	
95-47-6	m,p-Xylene	0.121	0.0025	mg/kg	
1330-20-7	o-Xylene	0.0344	0.0025	mg/kg	
	Xylene (total)	0.155	0.0025	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound



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ACCUTEST

Report of Analysis

Client Sample ID:	PC 16 0 5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-64	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	81.5
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.64



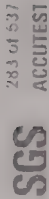
VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	167% E	171% E	65-141% E
2037-26-5	Toluene-D8	113%	113%	65-129%
460-00-4	4-Bromofluorobenzene	168% E	168% E	63-137%

(a) Confirmation run.
(b) Initial and Continuing Calibration Verification outside of acceptance criteria. Result may be biased high.
(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound



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ACCUTEST

Report of Analysis

Client Sample ID:	PC 16 0 5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 64	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	81.5
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R51618.D	1	04/05/17	DRY	03/31/17	OP49564	MSR1939
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.9 g	1.0 ml
Run #2		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.59	mg/kg	
95-57-8	2-Chlorophenol	ND	0.29	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.59	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.59	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.59	mg/kg	
51-28-5	2,4-Dinitrophenol a	ND	0.59	mg/kg	
95-48-7	2-Methylphenol	ND	0.59	mg/kg	
	3&4-Methylphenol	ND	0.59	mg/kg	
88-75-5	2-Nitrophenol	ND	0.59	mg/kg	
100-02-7	4-Nitrophenol	ND	0.59	mg/kg	
87-86-5	Pentachlorophenol	ND	0.59	mg/kg	
108-95-2	Phenol	ND	0.29	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.59	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.59	mg/kg	
83-32-9	Acenaphthene	ND	0.12	mg/kg	
208-96-8	Acenaphthylene	ND	0.12	mg/kg	
98-86-2	Acetophenone	ND	0.59	mg/kg	
62-53-3	Aniline	ND	0.59	mg/kg	
120-12-7	Anthracene	ND	0.12	mg/kg	
56-55-3	Benzo(a)anthracene	0.314	0.12	mg/kg	
50-32-8	Benzo(a)pyrene	0.374	0.29	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.297	0.12	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.256	0.12	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.295	0.12	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.29	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.29	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.29	mg/kg	
106-47-8	4-Chloroaniline	ND	0.59	mg/kg	
218-01-9	Chrysene	0.349	0.12	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.29	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.29	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.29	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 16 0 5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 64	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	81.5
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.29	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.29	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.29	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.29	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.59	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.59	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.59	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.12	mg/kg	
132-64-9	Dibenzofuran	ND	0.12	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.29	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.29	mg/kg	
84-66-2	Diethyl phthalate	ND	0.29	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.29	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.29	mg/kg	
206-44-0	Fluoranthene	0.541	0.12	mg/kg	
86-73-7	Fluorene	ND	0.12	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.29	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.29	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.59	mg/kg	
67-72-1	Hexachloroethane	ND	0.29	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.29	mg/kg	
78-59-1	Isophorone	ND	0.29	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.12	mg/kg	
91-20-3	Naphthalene	ND	0.12	mg/kg	
98-95-3	Nitrobenzene	ND	0.29	mg/kg	
621-64-7	N-Nitroso di-n-propylamine	ND	0.29	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.29	mg/kg	
85-01-8	Phenanthrene	0.409	0.12	mg/kg	
129-00-0	Pyrene	0.528	0.12	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.29	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	79%		25-109%
4165-62-2	Phenol-d5	80%		29-113%
118-79-6	2,4,6-Tribromophenol	89%		20-141%
4165-60-0	Nitrobenzene-d5	78%		27-115%
321-60-8	2-Fluorobiphenyl	82%		34-118%
1718-51-0	Terphenyl d14	88%		42-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 16 0 5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 64	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	81.5
Method:	SW846 8270D SW846 3546		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.64

4

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
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(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.

Report of Analysis

Client Sample ID:	PC 16 0 5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 64	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	81.5
Method:	SW846 8015		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.64

4

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	WX79876.D	1	03/31/17	AF	n/a	n/a	GWX3998

Run #1	Initial Weight	Final Volume	Methanol Aliquot
Run #2	11.3 g	10.0 ml	100 ul

CAS No.	Compound	Result	RL	Units	Q
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	TPH-CRO (VOA)	ND	6.6	mg/kg	
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CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4 Trifluorotoluene	104%		64 127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 16 0 5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-64	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	81.5
Method:	SW846 8081B SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	BE54539.D	1	04/04/17	AP	03/31/17	OP49567	GBE2736

Run #1	Initial Weight	Final Volume
Run #2	20.7 g	10.0 ml

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0059	mg/kg	
319-84-6	alpha-BHC	ND	0.0059	mg/kg	
319-85-7	beta-BHC	ND	0.0059	mg/kg	
319-86-8	delta-BHC	ND	0.0059	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.059	mg/kg	
60-57-1	Dieldrin	ND	0.0059	mg/kg	
72-54-8	4,4'-DDD	ND	0.0059	mg/kg	
72-55-9	4,4'-DDE	ND	0.0059	mg/kg	
50-29-3	4,4'-DDT	ND	0.0059	mg/kg	
72-20-8	Endrin	ND	0.0059	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0059	mg/kg	
959-98-8	Endosulfan I	ND	0.0059	mg/kg	
33213-65-9	Endosulfan-II	ND	0.0059	mg/kg	
76-44-8	Heptachlor	ND	0.0059	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0059	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0059	mg/kg	
72-43-5	Methoxychlor	ND	0.0059	mg/kg	
53494-70-5	Endrin ketone	ND	0.0059	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	55%		10-143%
877-09-8	Tetrachloro-m-xylene	66%		10-143%
2051-24-3	Decachlorobiphenyl	46%		10-172%
2051-24-3	Decachlorobiphenyl	88%		10-172%

ND = Not detected
RL = Reporting Limit
F = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 16 0 5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-64	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	81.5
Method:	SW846 8082A SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	BK65093.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075

Run #1	Initial Weight	Final Volume
Run #2	20.7 g	10.0 ml

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.030	mg/kg	
11104-28-2	Aroclor 1221	ND	0.030	mg/kg	
11141-16-5	Aroclor 1232	ND	0.030	mg/kg	
53469-21-9	Aroclor 1242	ND	0.030	mg/kg	
12672-29-6	Aroclor 1248	ND	0.030	mg/kg	
11097-69-1	Aroclor 1254	ND	0.030	mg/kg	
11096-82-5	Aroclor 1260	ND	0.030	mg/kg	
37324-23-5	Aroclor 1262	ND	0.030	mg/kg	
11100-14-4	Aroclor 1268	ND	0.030	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
877-09-8	Tetrachloro m-xylene	70%		25-145%	
877-09-8	Tetrachloro-m-xylene	57%		25-145%	
2051-24-3	Decachlorobiphenyl	79%		25-179%	
2051-24-3	Decachlorobiphenyl	67%		25-179%	

ND = Not detected
RL = Reporting Limit
F = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-16.0.5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC-49976 64	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	81.5
Method:	SW846 8151 SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 a	3C107747.D	04/10/17	ANJ	04/08/17	N:OP1744	N:C3G3757
Run #2						

Initial Weight	Final Volume
Run #1 16.3 g	5.0 ml
Run #2	

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.019	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0038	mg/kg	
93-76-5	2,4,5-T	ND	0.0038	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
19719-28-9	2,4-DCAA	82%		10-159%	
19719-28-9	2,4-DCAA	111%		10-159%	

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-16.0.5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC-49976 64	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	81.5
Method:	SW846-8015 SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4509.D	04/05/17	AP	03/31/17	OP49565	GCR1276
Run #2						

Initial Weight	Final Volume
Run #1 15.8 g	1.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	59.0	19	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	107%		17-130%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PC-16 0.5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-64	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	81.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic ^a	10.7	2.5	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C 2
Barium ^a	131	6.1	mg/kg	1	04/02/17	04/05/17	ANJ	SW846 3050B 5
Cadmium ^a	<0.61	0.61	mg/kg	1	04/02/17	04/05/17	ANJ	SW846 3050B 5
Chromium ^a	25.9	1.2	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C 3
Lead ^a	516	2.5	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C 2
Mercury ^a	0.40	0.038	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 3050B 5
Selenium ^a	<2.5	2.5	mg/kg	1	04/02/17	04/01/17	ANJ	SW846 7471B 4
Silver ^a	<0.61	0.61	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 3050B 5
					04/02/17	04/05/17	ANJ	SW846 6010C 3

- (1) Instrument QC Batch: N:MA41691
(2) Instrument QC Batch: N:MA41707
(3) Instrument QC Batch: N:MA41719
(4) Prep QC Batch: N:MP99635
(5) Prep QC Batch: N:MP99641

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	PC-16 0.5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-64	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	81.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity ^a	<11	11	mg/kg	1	04/03/17 12:43	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) ^a	>200		Deg. F	1	04/05/17 16:35	ANJ	SW846 1010A/ASTM D93
Solids, Percent ^a	81.5		%	1	04/03/17 19:15	ANJ	SM2540 G-97
Specific Conductivity ^a	113	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9030AM
Sulfide Reactivity ^a	<110	110	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH ^a	6.22		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

4.654

Client Sample ID:	PC 17A 0 5'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-65	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	31.4	2.2	mg/kg	1	04/02/17	04/04/17	ANJ SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99641

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

4.664

Client Sample ID:	PC 17B 0 5'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-66	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.8
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	44.1	2.2	mg/kg	1	04/02/17	04/04/17	ANJ SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99641

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	PC-17C 0.5'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 67	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	84.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	25.6	2.4	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C ¹ SW846 3050B ²

(1) Instrument QC Batch: N:MA41707

(2) Prep QC Batch: N:MP99641

(a) Analysis performed at SGS Accutest, Dayton, NJ.

4.67 4

Report of Analysis

Page 1 of 3

Client Sample ID:	PC 17 0.5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 68	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	85.9
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M83338.D	1	04/03/17	DRY	n/a	n/a	n/a	MSM3004
Run #2 ^a	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M83342.D	1	04/03/17	DRY	n/a	n/a	n/a	MSM3004

Run #1	Initial Weight	Final Volume
5.04 g	5.0 ml	
Run #2	Initial Weight	Final Volume
4.82 g	5.0 ml	

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone ^b	0.0686	0.012	mg/kg	
71-43-2	Benzene	ND	0.00058	mg/kg	
108-86-1	Bromobenzene	ND	0.0058	mg/kg	
74-97-5	Bromochloromethane	ND	0.0058	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0023	mg/kg	
75-25-2	Bromoforn	ND	0.0023	mg/kg	
74-83-9	Bromomethane	ND	0.012	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.012	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0058	mg/kg	
135-98-8	sec Butylbenzene	ND	0.0058	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0058	mg/kg	
75-15-0	Carbon disulfide	ND	0.0058	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0023	mg/kg	
108-90-7	Chlorobenzene	ND	0.0023	mg/kg	
75-00-3	Chloroethane	ND	0.012	mg/kg	
67-66-3	Chloroform	ND	0.0023	mg/kg	
74-87-3	Chloromethane	ND	0.0058	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0058	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0058	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0023	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0058	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0023	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0023	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0023	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0023	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0023	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0058	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0023	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0023	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0023	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0023	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0023	mg/kg	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 3

Client Sample ID: PC-17 0.5' COMP
 Lab Sample ID: MC49976-68
 Matrix: SO - Soil
 Method: SW846 8260C
 Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17
 Date Received: 03/29/17
 Percent Solids: 85.9

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VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	0.0023	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0058	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0058	mg/kg	
563-58-6	1,1-Dichloropropane	ND	0.0058	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0023	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0023	mg/kg	
123-91-1	1,4-Dioxane	ND	0.14	mg/kg	
60-29-7	Ethyl Ether	ND	0.0058	mg/kg	
100-41-4	Ethylbenzene	ND	0.0023	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0058	mg/kg	
591-78-6	2-Hexanone	ND	0.0058	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0058	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0058	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0023	mg/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	0.0058	mg/kg	
74-95-3	Methylene bromide	ND	0.0058	mg/kg	
75-09-2	Methylene chloride	ND	0.0023	mg/kg	
91-20-3	Naphthalene	0.0117	0.0058	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0058	mg/kg	
100-42-5	Styrene	ND	0.0058	mg/kg	
994-05-8	tert-Amyl Methyl Ether	ND	0.0058	mg/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	0.0023	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0023	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0058	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0023	mg/kg	
109-99-9	Tetrahydrofuran	ND	0.012	mg/kg	
108-88-3	Toluene	ND	0.0058	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0058	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0058	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0023	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0023	mg/kg	
79-01-6	Trichloroethene	ND	0.0023	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0023	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0058	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0058	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0058	mg/kg	
75-01-4	Vinyl chloride	ND	0.012	mg/kg	
95-47-6	m,p-Xylene	ND	0.0023	mg/kg	
1330-20-7	o-Xylene	ND	0.0023	mg/kg	
	Xylene (total)	ND	0.0023	mg/kg	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

SGS

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ACCUTEST

Report of Analysis

Page 3 of 3

Client Sample ID: PC-17 0.5' COMP
 Lab Sample ID: MC49976-68
 Matrix: SO - Soil
 Method: SW846 8260C
 Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17
 Date Received: 03/29/17
 Percent Solids: 85.9

4.68

4

VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	156% ^c	165% ^c	65-141%
2037-26-5	Toluene-D8	109%	112%	65-129%
460-00-4	4-Bromofluorobenzene	128%	116%	63-137%

(a) Confirmation run.

(b) Initial and Continuing Calibration Verification outside of acceptance criteria. Result may be biased high.

(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

SGS

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ACCUTEST

Report of Analysis

Client Sample ID:	PC 17 0 5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-68	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	85.9
Method:	SW846 8270D SW846 3546		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R51619.D	1	04/05/17	DRY	03/31/17	OP49564	MSR1939
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.3 g	1.0 ml
Run #2		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65 85 0	Benzoic acid	ND	0.57	mg/kg	
95 57 8	2 Chlorophenol	ND	0.29	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.57	mg/kg	
120 83 2	2,4 Dichlorophenol	ND	0.57	mg/kg	
105 67 9	2,4 Dimethylphenol	ND	0.57	mg/kg	
51-28-5	2,4-Dinitrophenol a	ND	0.57	mg/kg	
95 48 7	2 Methylphenol	ND	0.57	mg/kg	
	3&4 Methylphenol	ND	0.57	mg/kg	
88-75-5	2-Nitrophenol	ND	0.57	mg/kg	
100-02-7	4-Nitrophenol	ND	0.57	mg/kg	
87-86-5	Pentachlorophenol	ND	0.57	mg/kg	
108-95-2	Phenol	ND	0.29	mg/kg	
95 95 4	2,4,5-Trichlorophenol	ND	0.57	mg/kg	
88 06 2	2,4,6-Trichlorophenol	ND	0.57	mg/kg	
83 32 9	Acenaphthene	0.713	0.11	mg/kg	
208-96-8	Acenaphthylene	0.140	0.11	mg/kg	
98 86 2	Acetophenone	ND	0.57	mg/kg	
62 53 3	Aniline	ND	0.57	mg/kg	
120 12 7	Anthracene	1.43	0.11	mg/kg	
56 55 3	Benzo(a)anthracene	3.28	0.11	mg/kg	
50 32 8	Benzo(a)pyrene	3.40	0.29	mg/kg	
205-99-2	Benzo(b)fluoranthene	2.73	0.11	mg/kg	
191-24-2	Benzo(g,h,i)perylene	1.72	0.11	mg/kg	
207 08 9	Benzo(k)fluoranthene	2.37	0.11	mg/kg	
101 55 3	4-Bromophenyl phenyl ether	ND	0.29	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.29	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.29	mg/kg	
106 47 8	4-Chloroaniline	ND	0.57	mg/kg	
218-01-9	Chrysene	3.10	0.11	mg/kg	
111 91 1	bis(2-Chloroethoxy)methane	ND	0.29	mg/kg	
111 44 4	bis(2-Chloroethyl)ether	ND	0.29	mg/kg	
108 60 1	bis(2-Chloroisopropyl)ether	ND	0.29	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 17 0 5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-68	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	85.9
Method:	SW846 8270D SW846 3546		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.29	mg/kg	
122 66 7	1,2-Diphenylhydrazine	ND	0.29	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.29	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.29	mg/kg	
121 14-2	2,4-Dinitrotoluene	ND	0.57	mg/kg	
606 20 2	2,6-Dinitrotoluene	ND	0.57	mg/kg	
91-94 1	3,3'-Dichlorobenzidine	ND	0.57	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.65f	0.11	mg/kg	
132-64-9	Dibenzofuran	0.368	0.11	mg/kg	
84 74 2	Di-n-butyl phthalate	ND	0.29	mg/kg	
117 84 0	Di-n-octyl phthalate	ND	0.29	mg/kg	
84 66 2	Diethyl phthalate	ND	0.29	mg/kg	
131 11-3	Dimethyl phthalate	ND	0.29	mg/kg	
117 81 7	bis(2-Ethylhexyl)phthalate	ND	0.29	mg/kg	
206 44 0	Fluoranthene	6.60	0.11	mg/kg	
86-73-7	Fluorene	0.575	0.11	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.29	mg/kg	
87-68 3	Hexachlorobutadiene	ND	0.29	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.57	mg/kg	
67 72 1	Hexachloroethane	ND	0.29	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1.88	0.29	mg/kg	
78-59-1	Isophorone	ND	0.29	mg/kg	
91-57-6	2-Methylnaphthalene	0.218	0.11	mg/kg	
91-20-3	Naphthalene	0.264	0.11	mg/kg	
98 95 3	Nitrobenzene	ND	0.29	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.29	mg/kg	
86 30 6	N-Nitrosodiphenylamine	ND	0.29	mg/kg	
85-01-8	Phenanthrene	5.65	0.11	mg/kg	
129-00-0	Pyrene	6.29	0.11	mg/kg	
120 82 1	1,2,4-Trichlorobenzene	ND	0.29	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367 12 4	2-Fluorophenol	74%		25-109%
4165 62 2	Phenol d5	78%		29-113%
118-79-6	2,4,6-Tribromophenol	86%		20-141%
4165 60 0	Nitrobenzene d5	71%		27-115%
321 60 8	2-Fluorobiphenyl	78%		34-118%
1718 51 0	Terphenyl d14	85%		42-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 17 0 5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 68	Date Received:	03/29/17
Matrix:	SO Soil	Percent Solids:	85.9
Method:	SW846 8270D SW846 3546		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

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ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
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(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.

Report of Analysis

Client Sample ID:	PC 17 0 5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 68	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	85.9
Method:	SW846 8015		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

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Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	WX79877.D	1	03/31/17	AF	n/a	n/a	GWX3998

Run #1	Initial Weight	Final Volume	Methanol Aliquot
Run #2	9.28 g	10.0 ml	100 ul

CAS No.	Compound	Result	RL	Units	Q
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TPH-GRO (VOA) ND 7.1 mg/kg

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
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2,3,4 Trifluorotoluene 104% 64 127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-17 0-5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-68	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	85.9
Method:	SW846 8081B SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE54540.D	1	AP	03/31/17	OP49567	GBE2736
Run #2						

Initial Weight	Final Volume
Run #1 20.7 g	10.0 ml
Run #2	

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0056	mg/kg	
319-84-6	alpha-BHC	ND	0.0056	mg/kg	
319-85-7	beta-BHC	ND	0.0056	mg/kg	
319-86-8	delta-BHC	ND	0.0056	mg/kg	
58-89-9	gamma-BHC (l.lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.056	mg/kg	
60-57-1	Dieldrin	ND	0.0056	mg/kg	
72-54-8	4,4'-DDD	ND	0.0056	mg/kg	
72-55-9	4,4'-DDE	ND	0.0056	mg/kg	
50-29-3	4,4'-DDT	0.0082	0.0056	mg/kg	
72-20-8	Endrin	ND	0.0056	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0056	mg/kg	
959-98-8	Endosulfan-I	ND	0.0056	mg/kg	
33213-65-9	Endosulfan II	ND	0.0056	mg/kg	
76-44-8	Heptachlor	ND	0.0056	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0056	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0056	mg/kg	
72-43-5	Methoxychlor	ND	0.0056	mg/kg	
53494-70-5	Endrin ketone	ND	0.0056	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	51%		10-143%
877-09-8	Tetrachloro-m-xylene	73%		10-143%
2051-24-3	Decachlorobiphenyl	54%		10-172%
2051-24-3	Decachlorobiphenyl	174% ^a		10-172%

(a) Outside control limits due to possible matrix interference.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 17 0 5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-68	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	85.9
Method:	SW846 8082A SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65094.D	1	AP	03/31/17	OP49566	GBK2075
Run #2						

Initial Weight	Final Volume
Run #1 20.7 g	10.0 ml
Run #2	

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.028	mg/kg	
11104-28-2	Aroclor 1221	ND	0.028	mg/kg	
11141-16-5	Aroclor 1232	ND	0.028	mg/kg	
53469-21-9	Aroclor 1242	ND	0.028	mg/kg	
12672-29-6	Aroclor 1248	ND	0.028	mg/kg	
11097-69-1	Aroclor 1254	ND	0.028	mg/kg	
11096-82-5	Aroclor 1260	ND	0.028	mg/kg	
37324-23-5	Aroclor 1262	ND	0.028	mg/kg	
11100-14-4	Aroclor 1268	ND	0.028	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%		25-145%
877-09-8	Tetrachloro-m-xylene	57%		25-145%
2051-24-3	Decachlorobiphenyl	89%		25-179%
2051-24-3	Decachlorobiphenyl	67%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PC 17 0 5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-68	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	85.9
Method:	SW846 8151 SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3C107748.D	1	04/10/17	ANJ	N:OP1744	N:G3G3757
Run #2						

Initial Weight	Final Volume
Run #1 15.0 g	5.0 ml
Run #2	

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.019	mg/kg	
93-72-1	2,4,5 TP (Silvex)	ND	0.0039	mg/kg	
93-76-5	2,4,5-T	ND	0.0039	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
19719-28-9	2,4-DCAA	83%		10-159%	
19719-28-9	2,4-DCAA	109%		10-159%	

(a) Analysis performed at SGS Accutest, Dayton, NJ.

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Report of Analysis

Page 1 of 1

Client Sample ID:	PC 17 0 5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-68	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	85.9
Method:	SW846 8015 SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4510.D	1	04/05/17	AP	OP49565	GCR1276
Run #2						

Initial Weight	Final Volume
Run #1 15.9 g	1.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
	TPH DRO (Semi-VOA)	183	18	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	108%		17-130%	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PC-17 0.5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-68	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	85.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic ^a	6.1	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C 2
Barium ^a	36.9	5.8	mg/kg	1	04/02/17	04/05/17	ANJ	SW846 6010C 3
Cadmium ^a	<0.58	0.58	mg/kg	1	04/02/17	04/05/17	ANJ	SW846 6010C 3
Chromium ^a	14.6	1.2	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C 2
Lead ^a	53.6	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C 2
Mercury ^a	0.11	0.039	mg/kg	1	04/01/17	04/01/17	ANJ	SW846 7471B 1
Selenium ^a	<2.3	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C 2
Silver ^a	<0.58	0.58	mg/kg	1	04/02/17	04/05/17	ANJ	SW846 6010C 3

- (1) Instrument QC Batch: N:MA41691
(2) Instrument QC Batch: N:MA41707
(3) Instrument QC Batch: N:MA41719
(4) Prep QC Batch: N:MP99635
(5) Prep QC Batch: N:MP99641

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	PC-17 0.5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-68	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	85.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity ^a	<11	11	mg/kg	1	04/03/17 12:55	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) ^a	>200		Deg. F	1	04/05/17 16:35	ANJ	SW846 1010A/ASTM D93
Solids, Percent ^a	85.9		%	1	04/03/17 19:15	ANJ	SM2540 C-97
Specific Conductivity ^a	157	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity ^a	<110	110	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH ^a	6.89		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: PC 18A 0 5'

Lab Sample ID: MC49976 69

Matrix: SO - Soil

Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 86.3

4.69 4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	62.9	2.4	mg/kg	1	04/02/17	04/04/17	ANJ SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99641

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: PC 18B 0 5'

Lab Sample ID: MC49976 70

Matrix: SO - Soil

Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17

Date Received: 03/29/17

Percent Solids: 85.7

4.70 4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	293	2.2	mg/kg	1	04/02/17	04/04/17	ANJ SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99641

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	PC 18C 0 5'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-71	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	84.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	64.6	2.4	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C 1

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99641

(a) Analysis performed at SGS Accutest, Dayton, NJ.

Report of Analysis

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Client Sample ID:	PC 18 0 5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-72	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	88.0
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83320.D	1	03/31/17	DRY	n/a	MSM3003
Run #2 ^a	M83319.D	1	03/31/17	DRY	n/a	MSM3003

	Initial Weight	Final Volume
Run #1	5.13 g	5.0 ml
Run #2	5.52 g	5.0 ml

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	0.011	mg/kg	
71-43-2	Benzene	ND	0.00055	mg/kg	
108-86-1	Bromobenzene	ND	0.0055	mg/kg	
74-97-5	Bromochloromethane	ND	0.0055	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0022	mg/kg	
75-25-2	Bromoform	ND	0.0022	mg/kg	
74-83-9	Bromomethane	ND	0.011	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0055	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0055	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0055	mg/kg	
75-15-0	Carbon disulfide	ND	0.0055	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0022	mg/kg	
108-90-7	Chlorobenzene	ND	0.0022	mg/kg	
75-00-3	Chloroethane	ND	0.011	mg/kg	
67-66-3	Chloroform	ND	0.0022	mg/kg	
74-87-3	Chloromethane	ND	0.0055	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0055	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0055	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0022	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0055	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0055	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0022	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0022	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0022	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0022	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0055	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0022	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0022	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0022	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0022	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0022	mg/kg	

RL = Reporting Limit

ND = Not detected
RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-18 0.5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 72	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	88.0
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	0.0022	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0055	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0055	mg/kg	
563-58-6	1,1-Dichloropropene	ND	0.0055	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0022	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0022	mg/kg	
123-91-1	1,4-Dioxane	ND	0.14	mg/kg	
60-29-7	Ethyl Ether	ND	0.0055	mg/kg	
100-41-4	Ethylbenzene	ND	0.0022	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0055	mg/kg	
591-78-6	2-Hexanone	ND	0.0055	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0055	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0055	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0022	mg/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	0.0055	mg/kg	
74-95-3	Methylene bromide	ND	0.0055	mg/kg	
75-09-2	Methylene chloride	ND	0.0022	mg/kg	
91-20-3	Naphthalene	0.0093	0.0055	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0055	mg/kg	
100-42-5	Styrene	ND	0.0055	mg/kg	
994-05-8	tert-Amyl Methyl Ether	ND	0.0055	mg/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	0.0022	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0022	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0055	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0022	mg/kg	
109-99-9	Tetrahydrofuran	ND	0.011	mg/kg	
108-88-3	Toluene	ND	0.0055	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0055	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0055	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0022	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0022	mg/kg	
79-01-6	Trichloroethene	ND	0.0022	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0022	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0055	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0055	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0055	mg/kg	
75-01-4	Vinyl chloride	ND	0.011	mg/kg	
95-47-6	m,p-Xylene	ND	0.0022	mg/kg	
95-47-6	o-Xylene	ND	0.0022	mg/kg	
1330-20-7	Xylene (total)	ND	0.0022	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-18 0.5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 72	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	88.0
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	170% ^b	169% ^b	65-141%
2037-26-5	Toluene-D8	114%	110%	65-129%
460-00-4	4-Bromofluorobenzene	113%	100%	63-137%

(a) Confirmation run.
(b) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PC 18 0 5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 72	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	88.0
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R51620.D	1	04/05/17	DRY	03/31/17	OP49564	MSR1939
Run #2	R51628.D	5	04/05/17	DRY	03/31/17	OP49564	MSR1940

Run #	Initial Weight	Final Volume
Run #1	20.7 g	1.0 ml
Run #2	20.7 g	1.0 ml

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.55	mg/kg	
95-57-8	2-Chlorophenol	ND	0.27	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.55	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.55	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.55	mg/kg	
51-28-5	2,4-Dinitrophenol a	ND	0.55	mg/kg	
95-48-7	2-Methylphenol	ND	0.55	mg/kg	
	3&4-Methylphenol	ND	0.55	mg/kg	
88-75-5	2-Nitrophenol	ND	0.55	mg/kg	
100-02-7	4-Nitrophenol	ND	0.55	mg/kg	
87-86-5	Pentachlorophenol	ND	0.55	mg/kg	
108-95-2	Phenol	ND	0.27	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.55	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.55	mg/kg	
83-32-9	Acenaphthene	1.31	0.11	mg/kg	
208-96-8	Acenaphthylene	0.577	0.11	mg/kg	
98-86-2	Acetophenone	ND	0.55	mg/kg	
62-53-3	Aniline	ND	0.55	mg/kg	
120-12-7	Anthracene	4.08	0.11	mg/kg	
56-55-3	Benzo(a)anthracene	7.62	0.11	mg/kg	
50-32-8	Benzo(a)pyrene	7.01	0.27	mg/kg	
205-99-2	Benzo(b)fluoranthene	6.39	0.11	mg/kg	
191-24-2	Benzo(g,h,i)perylene	3.25	0.11	mg/kg	
207-08-9	Benzo(k)fluoranthene	4.81	0.11	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.27	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.27	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.27	mg/kg	
106-47-8	4-Chloroaniline	ND	0.55	mg/kg	
218-01-9	Chrysene	6.88	0.11	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.27	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.27	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.27	mg/kg	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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MC49976

Report of Analysis

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Client Sample ID:	PC 18 0 5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 72	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	88.0
Method:	SW846 8270D SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.27	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND		mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.27	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.27	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.55	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.55	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.55	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	1.25	0.11	mg/kg	
132-64-9	Dibenzofuran	0.959	0.11	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.27	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.27	mg/kg	
84-66-2	Diethyl phthalate	ND	0.27	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.27	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.27	mg/kg	
206-44-0	Fluoranthene	19.1 ^b	0.55	mg/kg	
86-73-7	Fluorene	1.51	0.11	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.27	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.27	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.55	mg/kg	
67-72-1	Hexachloroethane	ND	0.27	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	3.74	0.27	mg/kg	
78-59-1	Isophorone	ND	0.27	mg/kg	
91-57-6	2-Methylnaphthalene	0.384	0.11	mg/kg	
91-20-3	Naphthalene	0.802	0.11	mg/kg	
98-95-3	Nitrobenzene	ND	0.27	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.27	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.27	mg/kg	
85-01-8	Phenanthrene	14.9 ^b	0.55	mg/kg	
129-00-0	Pyrene	15.7 ^b	0.55	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.27	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
367-12-4	2-Fluorophenol	72%	78%	25-109%	
4165-62-2	Phenol-d5	75%	74%	29-113%	
118-79-6	2,4,6-Tribromophenol	74%	74%	20-141%	
4165-60-0	Nitrobenzene-d5	70%	69%	27-115%	
321-60-8	2-Fluorobiphenyl	75%	72%	34-118%	
1718-51-0	Terphenyl d14	81%	86%	42-139%	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Report of Analysis

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Client Sample ID:	PC-18 0.5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-72	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	88.0
Method:	SW846 8270D SW846 3546		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
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- (a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.
(b) Result is from Run# 2

4.72 4

Report of Analysis

Page 1 of 1

Client Sample ID:	PC 18 0.5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 72	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	88.0
Method:	SW846 8015		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	WX79878.D	1	03/31/17	AF	n/a	n/a	GWX3998

Run #1	Initial Weight	Final Volume	Methanol Aliquot
Run #2	10.6 g	10.0 ml	100 ul

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	6.0	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
	2,3,4 Trifluorotoluene	104%		64 127%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: PC-18 0-5' COMP
Lab Sample ID: MC49976-72
Matrix: SO - Soil
Method: SW846 8081B SW846 3546
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17
Date Received: 03/29/17
Percent Solids: 88.0

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BF54543.D	1	04/05/17	AP	03/31/17	OP49567	GBE2736
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.3 g	10.0 ml
Run #2		

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309 00-2	Aldrin	ND	0.0056	mg/kg	
319 84-6	alpha-BHC	ND	0.0056	mg/kg	
319 85-7	beta-BHC	ND	0.0056	mg/kg	
319 86-8	delta-BHC	ND	0.0056	mg/kg	
58 89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03 6	Chlordane	ND	0.056	mg/kg	
60-57-1	Dieldrin	ND	0.0056	mg/kg	
72-54-8	4,4'-DDD	ND	0.0056	mg/kg	
72-55-9	4,4'-DDE	ND	0.0056	mg/kg	
50-29-3	4,4'-DDT	0.0163	0.0056	mg/kg	
72-20-8	Endrin	ND	0.0056	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0056	mg/kg	
959 98-8	Endosulfan I	ND	0.0056	mg/kg	
33213-65-9	Endosulfan II	ND	0.0056	mg/kg	
76-44-8	Heptachlor	ND	0.0056	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0056	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0056	mg/kg	
72-43-5	Methoxychlor	ND	0.0056	mg/kg	
53494-70-5	Endrin ketone	ND	0.0056	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	48%		10-143%
877-09-8	Tetrachloro-m-xylene	68%		10-143%
2051-24-3	Decachlorobiphenyl	82%		10-172%
2051-24-3	Decachlorobiphenyl	474% ^a		10-172%

(a) Outside control limits due to possible matrix interference.

ND = Not detected
RL = Reporting Limit

F = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: PC 18 0-5' COMP
Lab Sample ID: MC49976-72
Matrix: SO - Soil
Method: SW846 8082A SW846 3546
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17
Date Received: 03/29/17
Percent Solids: 88.0

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65096.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.3 g	10.0 ml
Run #2		

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.028	mg/kg	
11104-28-2	Aroclor 1221	ND	0.028	mg/kg	
11141-16-5	Aroclor 1232	ND	0.028	mg/kg	
53469-21-9	Aroclor 1242	ND	0.028	mg/kg	
12672-29-6	Aroclor 1248	ND	0.028	mg/kg	
11097-69-1	Aroclor 1254	ND	0.028	mg/kg	
11096-82-5	Aroclor 1260	ND	0.028	mg/kg	
37324-23-5	Aroclor 1262	ND	0.028	mg/kg	
11100-14-4	Aroclor 1268	ND	0.028	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%		25-145%
877-09-8	Tetrachloro-m-xylene	54%		25-145%
2051-24-3	Decachlorobiphenyl	92%		25-179%
2051-24-3	Decachlorobiphenyl	66%		25-179%

ND = Not detected

RL = Reporting Limit

F = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PC 18 0 5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 72	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	88.0
Method:	SW846 8151 SW846 8151/3550C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3C107683.D	04/07/17	ANJ	04/05/17	N:OP1615	N:G3C3754
Run #2						

Initial Weight	Final Volume
Run #1 15.9 g	5.0 ml
Run #2	

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.018	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0036	mg/kg	
93-76-5	2,4,5-T	ND	0.0036	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
19719-28-9	2,4-DCAA	51%		10-159%	
19719-28-9	2,4-DCAA	39%		10-159%	

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PC 18 0 5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 72	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	88.0
Method:	SW846-8015 SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4512.D	04/05/17	AP	03/31/17	OP49565	GCRI276
Run #2						

Initial Weight	Final Volume
Run #1 15.8 g	1.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	311	18	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	110%		17-130%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PC 18 0 5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-72	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	88.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic ^a	7.0	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 3050B ⁵
Barium ^a	103	5.7	mg/kg	1	04/02/17	04/05/17	ANJ	SW846 3050B ⁵
Cadmium ^a	<0.57	0.57	mg/kg	1	04/02/17	04/05/17	ANJ	SW846 3050B ⁵
Chromium ^a	11.3	1.1	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 3050B ⁵
Lead ^a	96.2	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 3050B ⁵
Mercury ^a	0.038	0.036	mg/kg	1	04/01/17	04/01/17	ANJ	SW846 7471B ⁴
Selenium ^a	<2.3	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 3050B ⁵
Silver ^a	<0.57	0.57	mg/kg	1	04/02/17	04/05/17	ANJ	SW846 3050B ⁵

(1) Instrument QC Batch: N:MA41691

(2) Instrument QC Batch: N:MA41707

(3) Instrument QC Batch: N:MA41719

(4) Prep QC Batch: N:MP99635

(5) Prep QC Batch: N:MP99641

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	PC 18 0 5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-72	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	88.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity ^a	<11	11	mg/kg	1	04/03/17 12:46	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) ^a	>200		Deg. F	1	04/05/17 16:35	ANJ	SW846 1010A/ASTM D93
Solids, Percent ^a	88		%	1	04/03/17 19:15	ANJ	SM2540 C-97
Specific Conductivity ^a	326	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9650AM
Sulfide Reactivity ^a	<110	110	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH ^a	7.77		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

4.734

4

Client Sample ID:	PC 19A 0 5'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-73	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	88.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	85.4	2.3	mg/kg	1	04/02/17	04/04/17	ANJ SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99641

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

4.744

4

Client Sample ID:	PC 19B 0 5'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-74	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	81.7
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	471	2.4	mg/kg	1	04/02/17	04/04/17	ANJ SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99641

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-19C 0-5'	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-75	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	82.6
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	320	2.4	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C ¹ SW846 3050B ²

(1) Instrument QC Batch: N:MA41707

(2) Prep QC Batch: N:MP99641

(a) Analysis performed at SGS Accutest, Dayton, NJ.

Report of Analysis

Client Sample ID:	PC-19 0-5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-76	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.2
Method:	SW846 8260C		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83339.D	1	04/03/17	DRY	n/a	n/a	MSM3004
Run #2 ^a	M83343.D	1	04/03/17	DRY	n/a	n/a	MSM3004

Run #	Initial Weight	Final Volume
Run #1	6.50 g	5.0 ml
Run #2	4.63 g	5.0 ml

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	0.0088	mg/kg	
71-43-2	Benzene	ND	0.00044	mg/kg	
108-86-1	Bromobenzene	ND	0.0044	mg/kg	
74-97-5	Bromochloromethane	ND	0.0044	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0018	mg/kg	
75-25-2	Bromoform	ND	0.0018	mg/kg	
74-83-9	Bromomethane	ND	0.0088	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0088	mg/kg	
104-51-8	n Butylbenzene	ND	0.0044	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0044	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0044	mg/kg	
75-15-0	Carbon disulfide	ND	0.0044	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0018	mg/kg	
108-90-7	Chlorobenzene	ND	0.0018	mg/kg	
75-00-3	Chloroethane	ND	0.0088	mg/kg	
67-66-3	Chloroform	ND	0.0018	mg/kg	
74-87-3	Chloromethane	ND	0.0044	mg/kg	
95-49-8	o Chlorotoluene	ND	0.0044	mg/kg	
106-43-4	p Chlorotoluene	ND	0.0044	mg/kg	
108-20-3	Di Isopropyl ether	ND	0.0018	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0044	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0018	mg/kg	
106-93-4	1,2 Dibromoethane	ND	0.0018	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0018	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0018	mg/kg	
106-46-7	1,4 Dichlorobenzene	ND	0.0018	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0044	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0018	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0018	mg/kg	
75-35-4	1,1 Dichloroethene	ND	0.0018	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0018	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0018	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 3

Client Sample ID: PC 19 0 5' COMP
 Lab Sample ID: MC49976 76
 Matrix: SO - Soil
 Method: SW846 8260C
 Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17
 Date Received: 03/29/17
 Percent Solids: 87.2

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	0.0018	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0044	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0044	mg/kg	
563-58-6	1,1-Dichloropropene	ND	0.0044	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0018	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0018	mg/kg	
123-91-1	1,4-Dioxane	ND	0.11	mg/kg	
60-29-7	Ethyl Ether	ND	0.0044	mg/kg	
100-41-4	Ethylbenzene	ND	0.0018	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0044	mg/kg	
591-78-6	2-Hexanone	ND	0.0044	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0044	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0044	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0018	mg/kg	
108 10 1	4 Methyl 2 pentanone (MIBK)	ND	0.0044	mg/kg	
74 95 3	Methylene bromide	ND	0.0044	mg/kg	
75-09-2	Methylene chloride	ND	0.0018	mg/kg	
91-20-3	Naphthalene	0.0085	0.0044	mg/kg	
103 65 1	n Propylbenzene	ND	0.0044	mg/kg	
100-42-5	Styrene	ND	0.0044	mg/kg	
994 05 8	tert-Amyl Methyl Ether	ND	0.0044	mg/kg	
637 92 3	tert Butyl Ethyl Ether	ND	0.0018	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0018	mg/kg	
79 34 5	1,1,2,2 Tetrachloroethane	ND	0.0044	mg/kg	
127 18 4	Tetrachloroethene	ND	0.0018	mg/kg	
109-99-9	Tetrahydrofuran	ND	0.0088	mg/kg	
108 88 3	Toluene	ND	0.0044	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0044	mg/kg	
120 82 1	1,2,4 Trichlorobenzene	ND	0.0044	mg/kg	
71 55 6	1,1,1 Trichloroethane	ND	0.0018	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0018	mg/kg	
79 01-6	Trichloroethene	ND	0.0018	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0018	mg/kg	
96 18 4	1,2,3 Trichloropropane	ND	0.0044	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0044	mg/kg	
108 67 8	1,3,5 Trimethylbenzene	ND	0.0044	mg/kg	
75 01 4	Vinyl chloride	ND	0.0088	mg/kg	
95-47-6	m,p-Xylene	ND	0.0018	mg/kg	
1330 20 7	o-Xylene	ND	0.0018	mg/kg	
	Xylene (total)	ND	0.0018	mg/kg	

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: PC-19 0-5' COMP
 Lab Sample ID: MC49976 76
 Matrix: SO - Soil
 Method: SW846 8260C
 Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17
 Date Received: 03/29/17
 Percent Solids: 87.2

VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	156% ^b	157% ^b	65-141%
2037 26 5	Toluene D8	112%	111%	65-129%
460-00-4	4-Bromofluorobenzene	103%	103%	63-137%

(a) Confirmation run.
 (b) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID: PC-19 0.5' COMP
 Lab Sample ID: MC49976-76
 Matrix: SO - Soil
 Method: SW846 8270D SW846 3546
 Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17
 Date Received: 03/29/17
 Percent Solids: 87.2

4.76

4

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R51621.D	1	04/05/17	DRY	03/31/17	OP49564	MSR1939
Run #2	R51629.D	5	04/05/17	DRY	03/31/17	OP49564	MSR1940

Run #	Initial Weight	Final Volume
Run #1	20.8 g	1.0 ml
Run #2	20.8 g	1.0 ml

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.55	mg/kg	
95-57-8	2-Chlorophenol	ND	0.28	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.55	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.55	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.55	mg/kg	
51-28-5	2,4-Dinitrophenol ^a	ND	0.55	mg/kg	
95-48-7	2-Methylphenol	ND	0.55	mg/kg	
	3&4-Methylphenol	ND	0.55	mg/kg	
88-75-5	2-Nitrophenol	ND	0.55	mg/kg	
100-02-7	4-Nitrophenol	ND	0.55	mg/kg	
87-86-5	Pentachlorophenol	ND	0.55	mg/kg	
108-95-2	Phenol	ND	0.28	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.55	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.55	mg/kg	
83-32-9	Acenaphthene	1.23	0.11	mg/kg	
208-96-8	Acenaphthylene	0.756	0.11	mg/kg	
98-86-2	Acetophenone	ND	0.55	mg/kg	
62-53-3	Aniline	ND	0.55	mg/kg	
120-12-7	Anthracene	3.72	0.11	mg/kg	
56-55-3	Benzo(a)anthracene	9.24 ^b	0.55	mg/kg	
50-32-8	Benzo(a)pyrene	8.73	0.28	mg/kg	
205-99-2	Benzo(b)fluoranthene	8.46	0.11	mg/kg	
191-24-2	Benzo(g,h,i)perylene	4.18	0.11	mg/kg	
207-08-9	Benzo(k)fluoranthene	5.11	0.11	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.28	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.28	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.28	mg/kg	
106-47-8	4-Chloroaniline	ND	0.55	mg/kg	
218-01-9	Chrysene	8.49	0.11	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.28	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.28	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.28	mg/kg	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

SGS

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ACCUTEST

Report of Analysis

Page 2 of 3

Client Sample ID: PC-19 0.5' COMP
 Lab Sample ID: MC49976-76
 Matrix: SO - Soil
 Method: SW846 8270D SW846 3546
 Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17
 Date Received: 03/29/17
 Percent Solids: 87.2

4.76

4

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.28	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.28	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.28	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.28	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.55	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.55	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.55	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	1.53	0.11	mg/kg	
132-64-9	Dibenzofuran	0.674	0.11	mg/kg	
84-74-2	Di n butyl phthalate	ND	0.28	mg/kg	
117-84-0	Di n octyl phthalate	ND	0.28	mg/kg	
84-66-2	Diethyl phthalate	ND	0.28	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.28	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.28	mg/kg	
206-44-0	Fluoranthene	20.6 ^b	0.55	mg/kg	
86-73-7	Fluorene	1.28	0.11	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.28	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.28	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.55	mg/kg	
67-72-1	Hexachloroethane	ND	0.28	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	4.71	0.28	mg/kg	
78-59-1	Isophorone	ND	0.28	mg/kg	
91-57-6	2-Methylnaphthalene	0.280	0.11	mg/kg	
91-20-3	Naphthalene	0.491	0.11	mg/kg	
98-95-3	Nitrobenzene	ND	0.28	mg/kg	
621-64-7	N-Nitroso di-n-propylamine	ND	0.28	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.28	mg/kg	
85-01-8	Phenanthrene	13.2 ^b	0.55	mg/kg	
129-00-0	Pyrene	17.9 ^b	0.55	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.28	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	77%	77%	25 109%
4165-62-2	Phenol d5	84%	82%	29 113%
118-79-6	2,4,6-Tribromophenol	77%	71%	20 141%
4165-60-0	Nitrobenzene-d5	78%	75%	27 115%
321-60-8	2-Fluorobiphenyl	82%	76%	34 118%
1718-51-0	Terphenyl d14	85%	87%	42 139%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

SGS

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ACCUTEST

Report of Analysis

Client Sample ID:	PC-19 0.5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-76	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.2
Method:	SW846 8270D SW846 3546		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
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- (a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.
(b) Result is from Run# 2

4.76 4

Report of Analysis

Client Sample ID:	PC-19 0.5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-76	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.2
Method:	SW846 8015		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	WX79879.D	1	03/31/17	AF	n/a	n/a	GWX3998

Run #1	Initial Weight	Final Volume	Methanol Aliquot
Run #2	10.3 g	10.0 ml	100 ul

CAS No.	Compound	Result	RL	Units	Q
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TPH-GRO (VOA) ND 6.3 mg/kg

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
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2,3,4-Trifluorotoluene 104% 64-127%

4.76 4

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 19 0 5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 76	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.2
Method:	SW846 8081B SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	BE54544.D	1	04/05/17	AP	03/31/17	OP49567	GBE2736

Run #1	Initial Weight	Final Volume
Run #2	20.9 g	10.0 ml

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0055	mg/kg	
319-84-6	alpha BHC	ND	0.0055	mg/kg	
319-85-7	beta-BHC	ND	0.0055	mg/kg	
319-86-8	delta-BHC	ND	0.0055	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.055	mg/kg	
60-57-1	Dieldrin	ND	0.0055	mg/kg	
72-54-8	4,4' DDD	ND	0.0055	mg/kg	
72-55-9	4,4'-DDE	ND	0.0055	mg/kg	
50-29-3	4,4'-DDT	0.0149	0.0055	mg/kg	
72-20-8	Endrin	ND	0.0055	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0055	mg/kg	
959-98-8	Endosulfan I	ND	0.0055	mg/kg	
33213-65-9	Endosulfan-II	ND	0.0055	mg/kg	
76-44-8	Heptachlor	ND	0.0055	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0055	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0055	mg/kg	
72-43-5	Methoxychlor	ND	0.0055	mg/kg	
53494-70-5	Endrin ketone	ND	0.0055	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	46%		10-143%
877-09-8	Tetrachloro m xylene	58%		10-143%
2051-24-3	Decachlorobiphenyl	78%		10-172%
2051-24-3	Decachlorobiphenyl	374% a		10-172%

(a) Outside control limits due to possible matrix interference.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 19 0 5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976 76	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.2
Method:	SW846 8082A SW846 3546		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	BK65097.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075

Run #1	Initial Weight	Final Volume
Run #2	20.9 g	10.0 ml

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.027	mg/kg	
11104-28-2	Aroclor 1221	ND	0.027	mg/kg	
11141-16-5	Aroclor 1232	ND	0.027	mg/kg	
53469-21-9	Aroclor 1242	ND	0.027	mg/kg	
12672-29-6	Aroclor 1248	ND	0.027	mg/kg	
11097-69-1	Aroclor 1254	0.0319	0.027	mg/kg	
11096-82-5	Aroclor 1260	ND	0.027	mg/kg	
37324-23-5	Aroclor 1262	ND	0.027	mg/kg	
11100-14-4	Aroclor 1268	ND	0.027	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		25-145%
877-09-8	Tetrachloro m-xylene	52%		25-145%
2051-24-3	Decachlorobiphenyl	95%		25-179%
2051-24-3	Decachlorobiphenyl	70%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: PC 19 0 5' COMP
Lab Sample ID: MC49976-76
Matrix: SO - Soil
Method: SW846 8151 SW846 8151/3550C
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17
Date Received: 03/29/17
Percent Solids: 87.2

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C107684.D	1	04/07/17	ANJ	04/05/17	N:OP1615	N:G3C3754
Run #2							

Run #	Initial Weight	Final Volume
Run #1	15.7 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94 75 7	2,4 D	ND	0.018	mg/kg	
93 72 1	2,4,5 TP (Silvex)	ND	0.0037	mg/kg	
93 76 5	2,4,5 T	ND	0.0037	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
19719-28-9	2,4-DCAA	173% ^b		10-159%	
19719 28 9	2,4 DCAA	120%		10 159%	

(a) Analysis performed at SGS Accutest, Dayton, NJ.

(b) High percent recoveries and no positive found in the sample.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: PC-19 0 5' COMP
Lab Sample ID: MC49976-76
Matrix: SO - Soil
Method: SW846 8015 SW846 3546
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Date Sampled: 03/28/17
Date Received: 03/29/17
Percent Solids: 87.2

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4513.D	1	04/05/17	AP	03/31/17	OP49565	GCR1276
Run #2							

Run #	Initial Weight	Final Volume
Run #1	15.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH DRO (Semi-VOA)	345	18	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	107%		17-130%	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PC-19 0.5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC 49976 76	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.2
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic ^a	5.4	2.2	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C 2
Barium ^a	31.9	5.5	mg/kg	1	04/02/17	04/05/17	ANJ	SW846 6010C 3
Cadmium ^a	<0.55	0.55	mg/kg	1	04/02/17	04/05/17	ANJ	SW846 6010C 3
Chromium ^a	11.9	1.1	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C 2
Lead ^a	151	2.2	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C 2
Mercury ^a	0.13	0.036	mg/kg	1	04/01/17	04/01/17	ANJ	SW846 7471B 1
Selenium ^a	<2.2	2.2	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C 2
Silver ^a	<0.55	0.55	mg/kg	1	04/02/17	04/05/17	ANJ	SW846 6010C 3/ SW846 3050B 5

(1) Instrument QC Batch: N:MA41691

(2) Instrument QC Batch: N:MA41707

(3) Instrument QC Batch: N:MA41719

(4) Prep QC Batch: N:MP99635

(5) Prep QC Batch: N:MP99641

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	PC-19 0.5' COMP	Date Sampled:	03/28/17
Lab Sample ID:	MC49976-76	Date Received:	03/29/17
Matrix:	SO - Soil	Percent Solids:	87.2
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity ^a	<11	11	mg/kg	1	04/03/17 12:54	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) ^a	>200		Deg. F	1	04/05/17 16:35	ANJ	SW846 1010A/ASTM D93
Solids, Percent ^a	87.2		%	1	04/03/17 19:15	ANJ	SM2540 G-97
Specific Conductivity ^a	186	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity ^a	<110	110	mg/kg	1	04/03/17 01:13	ANJ	SW846 CHAP7/9034
pH ^a	7.96		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- MCP Form
- MCP Form (SGS Accutest New Jersey)
- Sample Tracking Chronicle
- QC Evaluation: MA MCP Limits

Project Information		Sample Information		Collection		Analysis		Reporting		Lab Use Only	
Client Name	Project Name	Sample ID	Sample Description	Collection Date	Collection Time	Analysis Date	Analysis Time	Reporting Date	Reporting Time	Lab Use Only	Lab Use Only
EnviroTime Ltd	MassStar Somerville	PC-1	0-5'	3/28/17	9:50	3/28/17	9:50	3/28/17	9:50	1	1
2 Merchant St.	343-351 Summer St.	PC-2	5-10'	10:04		10:04		10:04		1	1
Sharon MA 02067	Somerville, MA	PC-3	10-15'	10:12		10:12		10:12		1	1
John Butero	Similar to 05990202	PC-4	0-15' Comp	10:20		10:20		10:20		1	1
781-793-0074		PC-5	0-5'	10:20		10:20		10:20		1	1
F. Murrison / L. Murrison		PC-6	5-10'	10:24		10:24		10:24		1	1
		PC-7	10-15'	10:34		10:34		10:34		1	1
		PC-8	0-15' Comp	10:40		10:40		10:40		1	1
		PC-9	0-5'	10:45		10:45		10:45		1	1
		PC-10	5-10'	10:50		10:50		10:50		1	1
		PC-11	10-15'	10:50		10:50		10:50		1	1
		PC-12	0-15' Comp	10:50		10:50		10:50		1	1

Approved By: [Signature] Date: 3/28/17
Standard: 5-7 days
Per: [Signature] R/L/C/IN
INITIAL ASSESSMENT: [Signature]

Emergency: 8. Each 1A site available for 1A verification [Signature]

SGS Accutest of New England
100 Appleton Drive, Suite 100, Andover, MA 01915
TEL: 978-481-4300 FAX: 978-481-7732
www.accutest.com

[illegible][illegible]

SGS Accutest NE Sample Receipt Summary

Job Number: MC49976 Client: ENVIOTRAC Project: MAGGIORE SOMERVILLE
Date / Time Received: 3/29/2017 4 10 00 PM Delivery Method: SGS Courier Airbill #s:
Cooler Temps (Initial/Adjusted) #1(16/11); #2(19/14).

Cooler Security Y or N
1. Custody Seals Present ☐ Y ☒ N
2. Custody Seals Intact ☐ Y ☒ N
3. COC Present ☒ Y ☐ N
4. Smp Dates/Time OK ☒ Y ☐ N

Cooler Temperature Y or N
1. Temp criteria achieved ☒ Y ☐ N
2. Thermometer ID _____
3. Cooler media _____
4. No Coolers _____

Sample Integrity - Documentation
1. Sample labels present on bottles ☒ Y ☐ N
2. Container labeling complete: ☒ Y ☐ N
3. Sample container label / COC agree ☒ Y ☐ N

Sample Integrity - Condition
1. Sample rec'd within HT. ☒ Y ☐ N
2. All containers accounted for. ☒ Y ☐ N
3. Condition of sample _____ Intact

Sample Integrity - Instructions
1. Analysis requested is clear: ☒ Y ☐ N
2. Bottles received for unspecified tests ☐ Y ☒ N
3. Sufficient volume rec'd for analysis ☒ Y ☐ N
4. Compositing instructions clear ☐ Y ☒ N
5. Filtering instructions clear. ☐ Y ☒ N

Quality Control Preservation Y or N
1. Trip Blank present / cooler. ☐ Y ☒ N
2. Trip Blank listed on COC: ☐ Y ☒ N
3. Samples preserved properly. ☒ Y ☐ N
4. VOCs headspace free ☐ Y ☒ N

Comments

MC49976; Chain of Custody
Page 8 of 8



Massachusetts Department
of Environmental Protection
Bureau of Waste Site Cleanup

WSC-CAM Exhibit VII A
July 1, 2010 Revision No. 1
Final

Exhibit VII A-2: MassDEP Analytical Protocol Certification Form

MassDEP Analytical Protocol Certification Form

Laboratory Name: SGS Accutest, Marlborough Project #: MC49976

Project Location: Maggiorre Somerville, 343 - 351 Summer Street, Somerville, MA MADEP RTN None

This form provides certifications for the following data set: list Laboratory Sample ID Numbers(s) MC49976-1 through MC49976-76

Matrices	Groundwater/Surface Water ()	Soil/Sediment (X)	Drinking Water ()	Air ()	Other ()
CAM Protocol (check all that apply below)					
8260 VOC (X)	7470/7471 Hg (X)	MassDEP VPH ()	8081 Pesticides (X)	7196 Hex Cr ()	Mass DEP APH ()
CAM IIA	CAM III B	CAM IV A	CAM V B	CAM VI B	CAM IX A
8270 SVOC (X)	7010 Metals ()	MassDEP EPH ()	8151 Herbicides (X)	8330 Explosives ()	TO-15 VOC ()
CAM II B	CAM III C	CAM IV B	CAM V C	CAM VIII A	CAM IX B
6010 Metals (X)	6020 Metals ()	8082 PCB (X)	9014 Total ()	6860 Perchlorate ()	
CAM III A	CAM III D	CAM V A	Cyander/PAC	CAM VIII B	

Affirmative Responses to Questions A Through F are required for "Presumptive Certainty" status

A Were all samples received in a condition consistent with those described on the Chain-of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times? ☒ Yes ☐ No

B Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed? ☒ Yes ☐ No

C Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances? ☒ Yes ☐ No

D Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? ☒ Yes ☐ No

E VPH, EPH, APH, and TO-15 only
a. VPH, EPH, and APH Methods only Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications) ☒ Yes ☐ No
b. APH and TO-15 Methods only: Was the complete analyte list reported for each method? ☒ Yes ☐ No

F Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)? ☒ Yes ☐ No

Responses to questions G, H, and I below is required for "Presumptive Certainty" status

G Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocols ☐ Yes ☒ No

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40.1056(2)(k) and WSC-07-350.

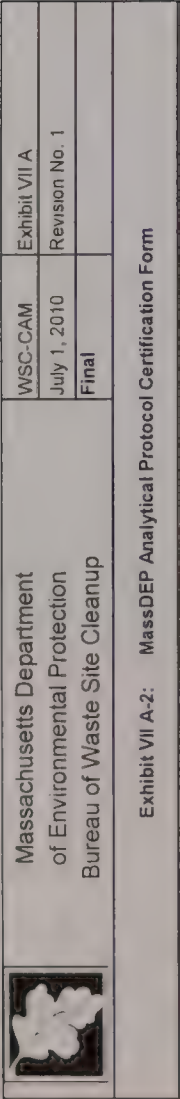
H Were all QC performance standards specified in the CAM protocol(s) achieved? ☐ Yes ☒ No

I Were results reported for the complete analyte list specified in the selected CAM protocol(s)? ☐ Yes ☒ No

All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

I the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: *H. Brad Madadian* Position: Laboratory Director
Printed Name: H. (Brad) Madadian Date: 11-Apr-17



Internal Sample Tracking Chronicle

EnviroTrac, Ltd.							Job No:	MC49976
Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA								
Project No: 03.990202.00								
Sample Number	Method	Analyzed	By	Prepped	By	Test Codes		
MC49976-1 Collected: 28-MAR-17 09:50 By: LMFM Received: 29-MAR-17 By: TF								
PC-1 0.5'								
MC49976-1	SM2540 G-97	03 APR-17 19:15	ANJ			SOL104		
MC49976-1	SW846 6010C	04 APR-17 16:45	ANJ	01-APR-17	ANJ	PB		
MC49976-2 Collected: 28-MAR-17 10:04 By: LMFM Received: 29-MAR-17 By: TF								
PC-1 5-10'								
MC49976-2	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104		
MC49976-2	SW846 6010C	04-APR-17 16:39	ANJ	01-APR-17	ANJ	PB		
MC49976-3 Collected: 28-MAR-17 10:12 By: LMFM Received: 29-MAR-17 By: TF								
PC-1 10-15'								
MC49976-3	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104		
MC49976-3	SW846 6010C	04-APR-17 16:48	ANJ	01-APR-17	ANJ	PB		
MC49976-4 Collected: 28-MAR-17 10:12 By: LMFM Received: 29-MAR-17 By: TF								
PC-1 0.15' COMP								
MC49976-4	SW846 8015	30-MAR-17 10:35	AF			V8015GRO		
MC49976-4	SW846 8260C	30-MAR-17 16:50	DRY			V8260MCP		
MC49976-4	SW846 7471B	01-APR-17 10:23	ANJ	01-APR-17	ANJ	HG		
MC49976-4	SW846 CHAP7/9034	03-APR-17 04:13	ANJ	02-APR-17	ANJ	SREAC		
MC49976-4	SW846 CHAP7/9012 B	03-APR-17 12:17	ANJ	02-APR-17	ANJ	CREAC		
MC49976-4	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104		
MC49976-4	SM2510B 11M/SW90501A	03-APR-17 04:47	ANJ			SCON		
MC49976-4	SW846 1010A/ASTM D38	03-APR-17 16:00	ANJ			IGN		
MC49976-4	SW846 8082A	04-APR-17 16:55	AP	31-MAR-17	AJ	P8082MCP		
MC49976-4	SW846 6010C	04-APR-17 16:59	ANJ	01-APR-17	ANJ	AG,AS,BA,CD,CR,PB,SE		
MC49976-4	SW846 8081B	04-APR-17 19:34	AP	31-MAR-17	AJ	P8081MCP		
MC49976-4	SW846 8270D	04-APR-17 20:15	DRY	31-MAR-17	IC	AB8270MCP		
MC49976-4	SW846 8015	04-APR-17 20:54	AP	31-MAR-17	IC	B8015DRO		
MC49976-4	SW846 8270D	05-APR-17 11:04	DRY	31-MAR-17	IC	AB8270MCP		
MC49976-4	SW846 9045D	05-APR-17 11:36	ANJ			PH		
MC49976-4	SW846 8151	10-APR-17 11:41	ANJ	08-APR-17	ANJ	H8151STD		

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC49976

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
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MC49976-5 Collected: 28-MAR-17 10:20 By: LMFM Received: 29-MAR-17 By: TF
PC-2 0-5'

MC49976-5 SM2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-5 SW846 6010C 04-APR-17 17:02 ANJ 01-APR-17 ANJ PB

MC49976-6 Collected: 28-MAR-17 10:28 By: LMFM Received: 29-MAR-17 By: TF
PC-2 5-10'

MC49976-6 SM2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-6 SW846 6010C 04-APR-17 17:05 ANJ 01-APR-17 ANJ PB

MC49976-7 Collected: 28-MAR-17 10:34 By: LMFM Received: 29-MAR-17 By: TF
PC-2 10-15'

MC49976-7 SM2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-7 SW846 6010C 04-APR-17 17:08 ANJ 01-APR-17 ANJ PB

MC49976-8 Collected: 28-MAR-17 10:34 By: LMFM Received: 29-MAR-17 By: TF
PC-2 0-15' COMP

MC49976-8 SW846 8015 30-MAR-17 14:59 AF V8015GRO
MC49976-8 SW846 8260C 30-MAR-17 17:18 DRY V8260MCP
MC49976-8 SW846 8260C 30-MAR-17 20:34 DRY V8260MCP
MC49976-8 SW846 7471B 01-APR-17 10:24 ANJ HG
MC49976-8 SW846 CHAP7/9034 03-APR 17 04:13 ANJ SREAC
MC49976-8 SW846 CHAP7/9012 B 03-APR-17 12:18 ANJ CREAC
MC49976-8 SM2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-8 SM2510B-11M/SW9050 03-APR-17 04:47 ANJ SCON
MC49976-8 SW846 1010A/ASTM D38 03-APR-17 16:00 ANJ IGN
MC49976-8 SW846 8082A 04-APR-17 17:11 AP 31-MAR-17 AJ AG,AS,BA,CD,CR,PB,SE
MC49976-8 SW846 6010C 04-APR-17 17:11 ANJ 01-APR-17 ANJ P8082MCP
MC49976-8 SW846 8015 04-APR-17 17:46 AP 31 MAR 17 IC B8015DRO
MC49976-8 SW846 8081B 04 APR 17 19:49 AP 31-MAR-17 AJ P8081MCP
MC49976-8 SW846 8270D 04-APR-17 20:40 DRY 31-MAR-17 IC AB8270MCP
MC49976-8 SW846 9045D 05-APR-17 11:36 ANJ PH
MC49976-8 SW846 8151 07-APR-17 01:40 ANJ 05-APR-17 ANJ H8151STD

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC49976

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
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MC49976-9 Collected: 28-MAR-17 10:40 By: LMFM Received: 29-MAR-17 By: TF
PC-3 0-5'

MC49976-9 SM2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-9 SW846 6010C 04 APR 17 17:14 ANJ 01-APR-17 ANJ PB

MC49976-10 Collected: 28-MAR-17 10:45 By: LMFM Received: 29-MAR-17 By: TF
PC-3 5-10'

MC49976-10 SM2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-10 SW846 6010C 04 APR 17 17:17 ANJ 01-APR-17 ANJ PB

MC49976-11 Collected: 28-MAR-17 10:50 By: LMFM Received: 29-MAR-17 By: TF
PC-3 10-15'

MC49976-11 SM2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-11 SW846 6010C 04 APR 17 17:20 ANJ 01-APR-17 ANJ PB

MC49976-12 Collected: 28-MAR-17 10:50 By: LMFM Received: 29-MAR-17 By: TF
PC-3 0-15' COMP

MC49976-12 SW846 8015 30-MAR-17 15:36 AF V8015GRO
MC49976-12 SW846 8260C 30 MAR-17 17:45 DRY V8260MCP
MC49976-12 SW846 8260C 30-MAR-17 20:05 DRY V8260MCP
MC49976-12 SW846 7471B 01-APR-17 10:26 ANJ HG
MC49976-12 SW846 CHAP7/9034 03-APR 17 04:13 ANJ SREAC
MC49976-12 SW846 CHAP7/9012 B 03-APR-17 12:20 ANJ CREAC
MC49976-12 SM2540 G-97 03-APR 17 19:15 ANJ SOL104
MC49976-12 SM2510B-11M/SW9050 03-APR-17 04:47 ANJ SCON
MC49976-12 SW846 1010A/ASTM D38 03-APR-17 16:00 ANJ IGN
MC49976-12 SW846 6010C 04 APR 17 17:23 ANJ 01-APR-17 ANJ AG,AS,BA,CD,CR,PB,SE
MC49976-12 SW846 8082A 04-APR-17 17:27 AP 31-MAR-17 AJ P8082MCP
MC49976-12 SW846 8081B 04-APR-17 20:03 AP 31 MAR 17 AJ P8081MCP
MC49976-12 SW846 8270D 04-APR-17 21:06 DRY 31-MAR-17 IC AB8270MCP
MC49976-12 SW846 8015 04-APR-17 22:28 AP 31 MAR 17 IC B8015DRO
MC49976-12 SW846 9045D 05-APR-17 11:36 ANJ PH
MC49976-12 SW846 8151 10-APR-17 12:10 ANJ 08-APR-17 ANJ H8151STD

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03:990202.00

Job No: MC49976

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
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MC49976-29Collected: 28-MAR-17 12:20 By: LMFM Received: 29-MAR-17 By: TF
PC-8 0-5'

MC49976-29SM2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-29SW846 6010C 03-APR-17 20:37 ANJ 01-APR-17 ANJ PB

MC49976-30Collected: 28-MAR-17 12:28 By: LMFM Received: 29-MAR-17 By: TF
PC-8 5-10'

MC49976-30SM2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-30SW846 6010C 03-APR-17 20:41 ANJ 01-APR-17 ANJ PB

MC49976-3Collected: 28-MAR-17 12:35 By: LMFM Received: 29-MAR-17 By: TF
PC 8 10-15'

MC49976-3SM2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-3SW846 6010C 03-APR-17 20:45 ANJ 01-APR-17 ANJ PB

MC49976-32Collected: 28-MAR-17 12:35 By: LMFM Received: 29-MAR-17 By: TF
PC-8 0-15' COMP

MC49976-32SW846 8015 30-MAR-17 18:43 AF V8015GRO
MC49976-32SW846 8260C 31-MAR-17 13:11 DRY V8260MCP
MC49976-32SW846 7471B 01-APR-17 10:33 ANJ HG
MC49976-32SW846 CHAP7/9034 03-APR-17 04:13 ANJ SREAC
MC49976-32SW846 CHAP7/9012 B 03-APR-17 12:29 ANJ CREAC
MC49976-32SM2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-32SW846 6010C 03-APR-17 20:49 ANJ AG,AS,BA,CD,CR,PB,SE
MC49976-32SM2510B 11M/SW9050UNAPR 17 04:47 ANJ SCON
MC49976-32SW846 8015 04-APR-17 19:20 AP B8015DRO
MC49976-32SW846 8082A 04-APR-17 20:05 AP P8082MCP
MC49976-32SW846 8081B 04-APR-17 21:45 AP P8081MCP
MC49976-32SW846 8270D 04-APR-17 23:15 DRY AB8270MCP
MC49976-32SW846 9045D 05-APR-17 11:36 ANJ PH
MC49976-32SW846 1010A/ASTM D883 APR 17 16:35 ANJ IGN
MC49976-32SW846 8151 10-APR-17 10:44 ANJ 08-APR-17 ANJ H8151STD

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03:990202.00

Job No: MC49976

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
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MC49976-33Collected: 28-MAR-17 12:40 By: LMFM Received: 29-MAR-17 By: TF
PC-9 0-5'

MC49976-33SM2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-33SW846 6010C 03-APR-17 20:53 ANJ 01-APR-17 ANJ PB

MC49976-34Collected: 28-MAR-17 12:45 By: LMFM Received: 29-MAR-17 By: TF
PC-9 5-10'

MC49976-34SM2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-34SW846 6010C 03-APR-17 20:58 ANJ 01-APR-17 ANJ PB

MC49976-35Collected: 28-MAR-17 12:50 By: LMFM Received: 29-MAR-17 By: TF
PC-9 10-15'

MC49976-35SM2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-35SW846 6010C 03-APR-17 21:02 ANJ 01-APR-17 ANJ PB

MC49976-36Collected: 28-MAR-17 12:50 By: LMFM Received: 29-MAR-17 By: TF
PC-9 0-15' COMP

MC49976-36SW846 8015 30-MAR-17 19:21 AF V8015GRO
MC49976-36SW846 8260C 31-MAR-17 13:39 DRY V8260MCP
MC49976-36SW846 7471B 01-APR-17 12:44 ANJ HG
MC49976-36SW846 CHAP7/9034 03-APR-17 04:13 ANJ SREAC
MC49976-36SW846 CHAP7/9012 B 03-APR-17 12:31 ANJ CREAC
MC49976-36SM2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-36SW846 6010C 03-APR-17 21:15 ANJ AG,AS,BA,CD,CR,PB,SE
MC49976-36SM2510B 11M/SW9050UNAPR 17 04:47 ANJ SCON
MC49976-36SW846 8082A 04-APR-17 20:21 AP P8082MCP
MC49976-36SW846 8081B 04-APR-17 21:59 AP P8081MCP
MC49976-36SW846 8015 04-APR-17 23:30 AP B8015DRO
MC49976-36SW846 8270D 04-APR-17 23:41 DRY AB8270MCP
MC49976-36SW846 9045D 05-APR-17 11:36 ANJ PH
MC49976-36SW846 1010A/ASTM D883 APR 17 16:35 ANJ IGN
MC49976-36SW846 8151 10-APR-17 11:13 ANJ 08-APR-17 ANJ H8151STD

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC49976

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
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MC49976-38 Collected: 28-MAR-17 12:55 By: LMFM Received: 29-MAR-17 By: TF
PC-10 0-5'

MC49976-35M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-35W846 6010C 03-APR-17 21:19 ANJ 01-APR-17 ANJ PB

MC49976-38 Collected: 28-MAR-17 13:05 By: LMFM Received: 29-MAR-17 By: TF
PC-10 5-10'

MC49976-38M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-38W846 6010C 03-APR-17 21:23 ANJ 01-APR-17 ANJ PB

MC49976-39 Collected: 28-MAR-17 13:14 By: LMFM Received: 29-MAR-17 By: TF
PC-10 10-15'

MC49976-35M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-35W846 6010C 03-APR-17 21:27 ANJ 01-APR-17 ANJ PB

MC49976-40 Collected: 28-MAR-17 13:14 By: LMFM Received: 29-MAR-17 By: TF
PC-10 0-15' COMP

MC49976-46W846 8015 30-MAR-17 19:58 AF V8015GRO
MC49976-46W846 8260C 31-MAR-17 14:07 DRY V8260MCP
MC49976-46W846 7471B 01-APR-17 10:36 ANJ HG
MC49976-46W846 CHAP7/9034 03-APR-17 04:13 ANJ SREAC
MC49976-46W846 CHAP7/9012 B 03-APR-17 12:32 ANJ CREAC
MC49976-46M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-46W846 6010C 03-APR-17 21:31 ANJ AS,BA,CD,CR,PB,SE
MC49976-46M2510B 11M/SW9050 04-APR-17 04:47 ANJ SCON
MC49976-46W846 6010C 04-APR-17 16:15 ANJ AG
MC49976-46W846 8015 04-APR-17 19:51 AP B8015DRO
MC49976-46W846 8082A 04-APR-17 20:37 AP P8082MCP
MC49976-46W846 8081B 04-APR-17 22:14 AP P8081MCP
MC49976-46W846 8270D 05-APR-17 00:06 DRY AB8270MCP
MC49976-46W846 9045D 05-APR-17 11:36 ANJ PH
MC49976-46W846 1010A/ASTM D883 05-APR-17 16:35 ANJ IGN
MC49976-46W846 8151 07-APR-17 06:54 ANJ H8151STD

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC49976

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
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MC49976-4 Collected: 28-MAR-17 13:20 By: LMFM Received: 29-MAR-17 By: TF
PC-11 0-5'

MC49976-4SM2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-4SW846 6010C 04-APR-17 18:39 ANJ 02-APR-17 ANJ PB

MC49976-42 Collected: 28-MAR-17 13:25 By: LMFM Received: 29-MAR-17 By: TF
PC-11 5-10'

MC49976-4SM2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-4SW846 6010C 04-APR-17 18:45 ANJ 02-APR-17 ANJ PB

MC49976-43 Collected: 28-MAR-17 13:33 By: LMFM Received: 29-MAR-17 By: TF
PC-11 10-15'

MC49976-43M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-43W846 6010C 04-APR-17 18:48 ANJ 02-APR-17 ANJ PB

MC49976-44 Collected: 28-MAR-17 13:33 By: LMFM Received: 29-MAR-17 By: TF
PC-11 0-15' COMP

MC49976-44W846 8015 30-MAR-17 21:13 AF V8015GRO
MC49976-44W846 8260C 31-MAR-17 14:34 DRY V8260MCP
MC49976-44W846 8260C 31-MAR-17 16:53 DRY V8260MCP
MC49976-44W846 7471B 01-APR-17 10:42 ANJ HG
MC49976-44W846 CHAP7/9034 03-APR-17 04:13 ANJ SREAC
MC49976-44W846 CHAP7/9012 B 03-APR-17 12:33 ANJ CREAC
MC49976-44M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-44M2510B 11M/SW9050 04-APR-17 04:47 ANJ SCON
MC49976-44W846 6010C 04-APR-17 18:57 ANJ AG,AS,BA,CD,CR,PB,SE
MC49976-44W846 8082A 04-APR-17 20:53 AP P8082MCP
MC49976-44W846 8081B 04-APR-17 22:28 AP P8081MCP
MC49976-44W846 8015 05-APR-17 00:01 AP B8015DRO
MC49976-44W846 8270D 05-APR-17 00:32 DRY AB8270MCP
MC49976-44W846 9045D 05-APR-17 11:36 ANJ PH
MC49976-44W846 1010A/ASTM D883 05-APR-17 16:35 ANJ IGN
MC49976-44W846 8151 10-APR-17 11:42 ANJ H8151STD

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC49976



Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
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MC49976-48Collected: 28-MAR-17 13:40 By: LMFM Received: 29-MAR-17 By: TF
PC-12 0 5'

MC49976-48M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-48W846 6010C 04-APR-17 19:00 ANJ 02-APR-17 ANJ PB

MC49976-48Collected: 28-MAR-17 13:45 By: LMFM Received: 29-MAR-17 By: TF
PC-12 5-10'

MC49976-48M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-48W846 6010C 04-APR-17 19:03 ANJ 02-APR-17 ANJ PB

MC49976-48Collected: 28-MAR-17 13:50 By: LMFM Received: 29-MAR-17 By: TF
PC-12 10 15'

MC49976-48M2540 G 97 03-APR-17 19:15 ANJ SOL104
MC49976-48W846 6010C 04-APR-17 19:06 ANJ 02-APR-17 ANJ PB

MC49976-48Collected: 28-MAR-17 13:50 By: LMFM Received: 29-MAR-17 By: TF
PC-12 0 15' COMP

MC49976-48W846 8015 30-MAR-17 21:50 AF V8015GRO
MC49976-48W846 8260C 31-MAR-17 15:02 DRY V8260MCP
MC49976-48W846 8260C 31-MAR-17 17:21 DRY V8260MCP
MC49976-48W846 7471B 01-APR-17 10:43 ANJ HG
MC49976-48W846 CHAP7/9034 03-APR-17 04:13 ANJ SREAC
MC49976-48W846 CHAP7/9012 B 03-APR-17 12:35 ANJ CREAC
MC49976-48M2540 G 97 03-APR-17 19:15 ANJ SOL104
MC49976-48M2510B 11M/SW9050MAY17 04:47 ANJ SCOR
MC49976-48W846 6010C 04-APR-17 19:09 ANJ AG,AS,BA,CD,CR,PB,SE
MC49976-48W846 8082A 04-APR-17 21:09 AP P8082MCP
MC49976-48W846 8081B 04-APR-17 22:43 AP P8081MCP
MC49976-48W846 8015 05-APR-17 00:32 AP B8015DRO
MC49976-48W846 8270D 05-APR-17 00:58 DRY AB8270MCP
MC49976-48W846 9045D 05-APR-17 11:36 ANJ PH
MC49976-48W846 1010A/ASTM D883 APR-17 16:35 ANJ IGN
MC49976-48W846 8151 06-APR-17 19:19 ANJ H8151STD
MC49976-48W846 8151

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC49976



Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
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MC49976-48Collected: 28-MAR-17 13:55 By: LMFM Received: 29-MAR-17 By: TF
PC-13 0-5'

MC49976-48M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-48W846 6010C 04-APR-17 19:12 ANJ 02-APR-17 ANJ PB

MC49976-50Collected: 28-MAR-17 14:00 By: LMFM Received: 29-MAR-17 By: TF
PC-13 5-10'

MC49976-50M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-50W846 6010C 04-APR-17 19:15 ANJ 02-APR-17 ANJ PB

MC49976-50Collected: 28-MAR-17 14:07 By: LMFM Received: 29-MAR-17 By: TF
PC-13 10-15'

MC49976-50M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-50W846 6010C 04-APR-17 19:18 ANJ 02-APR-17 ANJ PB

MC49976-50Collected: 28-MAR-17 14:07 By: LMFM Received: 29-MAR-17 By: TF
PC-13 0-15' COMP

MC49976-50W846 8015 30-MAR-17 22:27 AF V8015GRO
MC49976-50W846 7471B 01-APR-17 10:45 ANJ HG
MC49976-50W846 CHAP7/9034 03-APR-17 04:13 ANJ SREAC
MC49976-50W846 CHAP7/9012 B 03-APR-17 12:36 ANJ CREAC
MC49976-50M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-50M2510B 11M/SW9050MAY17 04:47 ANJ SCOR
MC49976-50W846 6010C 04-APR-17 19:21 ANJ AG,AS,BA,CD,CR,PB,SE
MC49976-50W846-8015 04-APR-17 20:23 AP B8015DRO
MC49976-50W846 8082A 04-APR-17 21:25 AP P8082MCP
MC49976-50W846 8081B 04-APR-17 22:57 AP P8081MCP
MC49976-50W846 8270D 05-APR-17 01:23 DRY AB8270MCP
MC49976-50W846 9045D 05-APR-17 11:36 ANJ PH
MC49976-50W846 1010A/ASTM D883 APR-17 16:35 ANJ IGN
MC49976-50W846 8151 06-APR-17 19:48 ANJ H8151STD
MC49976-50W846 8260C 06-APR-17 20:14 DRY V8260MCP

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC49976

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
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MC49976 58Collected: 28 MAR-17 14:10 By: LMFM Received: 29-MAR-17 By: TF
PC-14 0-5'

MC49976 58M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976 58W846 6010C 04-APR-17 19:30 ANJ 02-APR-17 ANJ PB

MC49976 58Collected: 28-MAR-17 14:14 By: LMFM Received: 29-MAR-17 By: TF
PC-14 5-10'

MC49976 58M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976 58W846 6010C 04-APR-17 19:34 ANJ 02-APR-17 ANJ PB

MC49976 58Collected: 28-MAR-17 14:18 By: LMFM Received: 29-MAR-17 By: TF
PC-14 10-15'

MC49976 58M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976 58W846 6010C 04-APR-17 19:37 ANJ 02-APR-17 ANJ PB

MC49976 58Collected: 28-MAR-17 14:18 By: LMFM Received: 29-MAR-17 By: TF
PC-14 0-15' COMP

MC49976 58W846 8015 30-MAR-17 23:04 AF V8015GRO
MC49976 58W846 8260C 31-MAR-17 15:58 DRY V8260MCP
MC49976 58W846 8260C 31-MAR-17 18:17 DRY V8260MCP
MC49976 58W846 7471B 01-APR-17 10:47 ANJ HG
MC49976 58W846 CHAP7/9034 03-APR-17 04:13 ANJ SREAC
MC49976 58W846 CHAP7/9012 B 03-APR-17 12:37 ANJ CREAC
MC49976 58M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976 58M2510B 11M/SW9050WAPR 17 04:47 ANJ SCON
MC49976 58W846 6010C 04-APR-17 19:40 ANJ AG,AS,BA,CD,CR,PB,SE
MC49976 58W846 8082A 04-APR-17 21:41 AP P8082MCP
MC49976 58W846 8081B 04-APR-17 23:12 AP 31-MAR-17 AJ P8081MCP
MC49976 58W846 8015 05-APR-17 01:04 AP 31-MAR-17 IC B8015DRO
MC49976 58W846 8270D 05-APR-17 01:49 DRY 31-MAR-17 IC AB8270MCP
MC49976 58W846 9045D 05-APR-17 11:36 ANJ PH
MC49976 58W846 1010A/ASTM D883 APR-17 16:35 ANJ IGN
MC49976 58W846 8151 06-APR-17 20:16 ANJ H8151STD

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC49976

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
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MC49976 58Collected: 28-MAR-17 14:20 By: LMFM Received: 29-MAR-17 By: TF
PC-15 0-5'

MC49976 58M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976 58W846 6010C 04-APR-17 19:43 ANJ 02-APR-17 ANJ PB

MC49976 58Collected: 28-MAR-17 14:22 By: LMFM Received: 29-MAR-17 By: TF
PC-15 5-10'

MC49976 58M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976 58W846 6010C 04-APR-17 19:46 ANJ 02-APR-17 ANJ PB

MC49976 58Collected: 28-MAR-17 14:28 By: LMFM Received: 29-MAR-17 By: TF
PC-15 10-15'

MC49976 58M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976 58W846 6010C 04-APR-17 19:49 ANJ 02-APR-17 ANJ PB

MC49976 60Collected: 28-MAR-17 14:28 By: LMFM Received: 29-MAR-17 By: TF
PC-15 0-15' COMP

MC49976 60W846 8015 30-MAR-17 23:42 AF V8015GRO
MC49976 60W846 8260C 31-MAR-17 16:26 DRY V8260MCP
MC49976 60W846 8260C 31-MAR-17 18:45 DRY V8260MCP
MC49976 60W846 7471B 01-APR-17 10:49 ANJ HG
MC49976 60W846 CHAP7/9034 03-APR-17 04:13 ANJ SREAC
MC49976 60W846 CHAP7/9012 B 03-APR-17 12:39 ANJ CREAC
MC49976 60M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976 60M2510B 11M/SW9050WAPR 17 04:47 ANJ SCON
MC49976 60W846 6010C 04-APR-17 19:52 ANJ AG,AS,BA,CD,CR,PB,SE
MC49976 60W846 8082A 04-APR-17 21:56 AP 31-MAR-17 AJ P8082MCP
MC49976 60W846 8081B 04-APR-17 23:26 AP 31-MAR-17 AJ P8081MCP
MC49976 60W846 8015 05-APR-17 01:35 AP 31-MAR-17 IC B8015DRO
MC49976 60W846 8270D 05-APR-17 02:15 DRY 31-MAR-17 IC AB8270MCP
MC49976 60W846 9045D 05-APR-17 11:36 ANJ PH
MC49976 60W846 8270D 05-APR-17 12:21 DRY 31-MAR-17 IC AB8270MCP
MC49976 60W846 1010A/ASTM D883 APR-17 16:35 ANJ IGN
MC49976 60W846 8151 06-APR-17 22:40 ANJ H8151STD

EnviroTrac, Ltd.

Internal Sample Tracking Chronicle

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC49976

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
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MC49976-63Collected: 28-MAR-17 14:30 By: LMFM Received: 29-MAR-17 By: TF
PC-16A 0-5'

MC49976-65SM2540 G-97 03 APR 17 19:15 ANJ SOL104
MC49976 65W846 6010C 05 APR-17 14:29 ANJ 02-APR-17 ANJ PB

MC49976-62Collected: 28-MAR-17 14:38 By: LMFM Received: 29-MAR-17 By: TF
PC 16B 0-5'

MC49976-65SM2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-65W846 6010C 05 APR 17 14:32 ANJ 02-APR-17 ANJ PB

MC49976-63Collected: 28-MAR-17 14:45 By: LMFM Received: 29-MAR-17 By: TF
PC 16C 0-5'

MC49976-65SM2540 G-97 03 APR 17 19:15 ANJ SOL104
MC49976 65W846 6010C 04 APR 17 21:27 ANJ 02-APR-17 ANJ PB

MC49976-64Collected: 28-MAR-17 14:45 By: LMFM Received: 29-MAR-17 By: TF
PC-16 0-5' COMP

MC49976-65W846 8015 31-MAR-17 00:19 AF V8015GRO
MC49976 65W846 7471B 01-APR-17 10:50 ANJ HC
MC49976 65W846 CHAP7/9034 03 APR 17 04:13 ANJ SREAC
MC49976-65W846 CHAP7/9012 B 03-APR-17 12:43 ANJ CREAC
MC49976 65W846 8260C 03-APR-17 18:49 DRY V8260MCP
MC49976 65M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-65W846 8260C 03-APR-17 20:42 DRY V8260MCP
MC49976-65M2510B-11M/SW9050 03-APR-17 04:47 ANJ SCON
MC49976-65W846 6010C 04-APR-17 21:30 ANJ AS,CR,PB,SE
MC49976-65W846 8082A 04-APR-17 22:12 AP P8082MCP
MC49976-65W846 8081B 04-APR-17 23:40 AP 31-MAR-17 AJ P8081MCP
MC49976-65W846-8015 05-APR-17 02:06 AP 31-MAR-17 IC B8015DRO
MC49976 65W846 8270D 05 APR 17 02:41 DRY 31 MAR-17 IC AB8270MCP
MC49976-65W846 9045D 05-APR-17 11:36 ANJ PH
MC49976-65W846 6010C 05-APR-17 14:35 ANJ AC,BA,CD
MC49976 65W846 1010A/ASTM D883 05 APR-17 16:35 ANJ IGN
MC49976-65W846 8151 10-APR-17 12:11 ANJ H8151STD

EnviroTrac, Ltd.

Internal Sample Tracking Chronicle

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC49976

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
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MC49976-63Collected: 28-MAR-17 14:58 By: LMFM Received: 29-MAR-17 By: TF
PC-17A 0-5'

MC49976-65M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976 65W846 6010C 04-APR-17 21:33 ANJ 02-APR-17 ANJ PB

MC49976-62Collected: 28-MAR-17 15:05 By: LMFM Received: 29-MAR-17 By: TF
PC-17B 0-5'

MC49976-65M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-65W846 6010C 04-APR-17 21:36 ANJ 02-APR-17 ANJ PB

MC49976-63Collected: 28-MAR-17 15:12 By: LMFM Received: 29-MAR-17 By: TF
PC-17C 0-5'

MC49976-65M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976 65W846 6010C 04-APR-17 21:39 ANJ 02-APR-17 ANJ PB

MC49976-68Collected: 28-MAR-17 15:12 By: LMFM Received: 29-MAR-17 By: TF
PC-17 0-5' COMP

MC49976-65W846 8015 31-MAR-17 00:56 AF V8015GRO
MC49976 65W846 7471B 01-APR-17 10:52 ANJ HC
MC49976 65W846 CHAP7/9034 03 APR 17 04:13 ANJ SREAC
MC49976 65W846 CHAP7/9012 B 03-APR-17 12:55 ANJ CREAC
MC49976 65M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976 65W846 8260C 03-APR-17 19:18 DRY V8260MCP
MC49976-65W846 8260C 03-APR-17 21:10 DRY V8260MCP
MC49976 65M2510B-11M/SW9050 03-APR-17 04:47 ANJ SCON
MC49976-65W846 6010C 04-APR-17 21:42 ANJ AS,CR,PB,SE
MC49976 65W846 8082A 04-APR-17 22:28 AP P8082MCP
MC49976-65W846 8081B 04-APR-17 23:55 AP 31-MAR-17 AJ P8081MCP
MC49976-65W846-8015 05-APR-17 02:37 AP 31-MAR-17 IC B8015DRO
MC49976 65W846 8270D 05 APR 17 03:06 DRY 31 MAR 17 IC AB8270MCP
MC49976-65W846 9045D 05-APR-17 11:36 ANJ PH
MC49976-65W846 6010C 05-APR-17 14:39 ANJ AC,BA,CD
MC49976 65W846 1010A/ASTM D883 05 APR-17 16:35 ANJ IGN
MC49976-65W846 8151 10-APR-17 12:40 ANJ H8151STD

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC49976



Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
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MC49976-68Collected: 28-MAR-17 15:18 By: LMFM Received: 29-MAR-17 By: TF
PC-18A 0-5'

MC49976-68M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-68W846 6010C 04-APR-17 21:00 ANJ 02-APR-17 ANJ PB

MC49976-70Collected: 28-MAR-17 15:28 By: LMFM Received: 29-MAR-17 By: TF
PC-18B 0-5'

MC49976-70M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-70W846 6010C 04-APR-17 21:45 ANJ 02-APR-17 ANJ PB

MC49976-71Collected: 28-MAR-17 15:33 By: LMFM Received: 29-MAR-17 By: TF
PC-18C 0-5'

MC49976-71M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-71W846 6010C 04-APR-17 21:54 ANJ 02-APR-17 ANJ PB

MC49976-72Collected: 28-MAR-17 15:33 By: LMFM Received: 29-MAR-17 By: TF
PC-18 0-5' COMP

MC49976-72W846 8015 31-MAR-17 01:33 AF V8015GRO
MC49976-72W846 8260C 31-MAR-17 19:12 DRY V8260MCP
MC49976-72W846 8260C 31-MAR-17 19:40 DRY V8260MCP
MC49976-72W846 7471B 01-APR-17 10:54 ANJ 01-APR-17 ANJ HG
MC49976-72W846 CHAP7/9034 03-APR-17 04:13 ANJ 02-APR-17 ANJ SREAC
MC49976-72W846 CHAP7/9012 B 03-APR-17 12:46 ANJ 02-APR-17 ANJ CREAM
MC49976-72M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-72M2510B-11M/SW9050WNA-APR-17 04:47 ANJ SCON
MC49976-72W846 6010C 04-APR-17 21:57 ANJ 02-APR-17 ANJ AS,CR,PB,SE
MC49976-72W846 8082A 04-APR-17 23:00 AP 31-MAR-17 AJ P8082MCP
MC49976-72W846 8081B 05-APR-17 00:38 AP 31-MAR-17 AJ P8081MCP
MC49976-72W846 8270D 05-APR-17 03:32 DRY 31-MAR-17 IC AB8270MCP
MC49976-72W846 8015 05-APR-17 03:40 AP 31-MAR-17 IC B8015DRO
MC49976-72W846 9045D 05-APR-17 11:36 ANJ PH
MC49976-72W846 8270D 05-APR-17 12:47 DRY 31-MAR-17 IC AB8270MCP
MC49976-72W846 6010C 05-APR-17 14:42 ANJ 02-APR-17 ANJ AG,BA,CD
MC49976-72W846 1010A/ASTM D883-APR-17 16:35 ANJ IGN
MC49976-72W846 8151 07-APR-17 00:06 ANJ 05-APR-17 ANJ H8151STD

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC49976



Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
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MC49976-73Collected: 28-MAR-17 15:36 By: LMFM Received: 29-MAR-17 By: TF
PC-19A 0-5'

MC49976-73M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-73W846 6010C 04-APR-17 22:00 ANJ 02-APR-17 ANJ PB

MC49976-74Collected: 28-MAR-17 15:38 By: LMFM Received: 29-MAR-17 By: TF
PC-19B 0-5'

MC49976-74M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-74W846 6010C 04-APR-17 22:03 ANJ 02-APR-17 ANJ PB

MC49976-75Collected: 28-MAR-17 15:45 By: LMFM Received: 29-MAR-17 By: TF
PC-19C 0-5'

MC49976-75M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-75W846 6010C 04-APR-17 22:06 ANJ 02-APR-17 ANJ PB

MC49976-76Collected: 28-MAR-17 15:45 By: LMFM Received: 29-MAR-17 By: TF
PC-19 0-5' COMP

MC49976-76W846 8015 31-MAR-17 02:10 AF V8015GRO
MC49976-76W846 7471B 01-APR-17 10:56 ANJ 01-APR-17 ANJ HG
MC49976-76W846 CHAP7/9034 03-APR-17 01:13 ANJ 02-APR-17 ANJ SREAC
MC49976-76W846 CHAP7/9012 B 03-APR-17 12:54 ANJ 02-APR-17 ANJ CREAM
MC49976-76M2540 G-97 03-APR-17 19:15 ANJ SOL104
MC49976-76W846 8260C 03-APR-17 19:46 DRY V8260MCP
MC49976-76W846 8260C 03-APR-17 21:39 DRY V8260MCP
MC49976-76M2510B-11M/SW9050WNA-APR-17 04:47 ANJ SCON
MC49976-76W846 6010C 04-APR-17 22:09 ANJ 02-APR-17 ANJ AS,CR,PB,SE
MC49976-76W846 8082A 04-APR-17 23:16 AP 31-MAR-17 AJ P8082MCP
MC49976-76W846 8081B 05-APR-17 00:53 AP 31-MAR-17 AJ P8081MCP
MC49976-76W846 8270D 05-APR-17 03:58 DRY 31-MAR-17 IC AB8270MCP
MC49976-76W846 8015 05-APR-17 04:11 AP 31-MAR-17 IC B8015DRO
MC49976-76W846 9045D 05-APR-17 11:36 ANJ PH
MC49976-76W846 8270D 05-APR-17 13:13 DRY 31-MAR-17 IC AB8270MCP
MC49976-76W846 6010C 05-APR-17 14:45 ANJ 02-APR-17 ANJ AG,BA,CD
MC49976-76W846 1010A/ASTM D883-APR-17 16:35 ANJ IGN
MC49976-76W846 8151 07-APR-17 00:35 ANJ 05-APR-17 ANJ H8151STD

QC Evaluation: MA MCP Limits

Page 1 of 41

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result	Units	Limits
MSM3002	SW846 8260C					
MSM3002-BS	67-64-1	Acetone	BSP	156	%	70-130
MSM3002-BS	71-43-2	Benzene	BSP	102	%	70-130
MSM3002-BS	108-86-1	Bromobenzene	BSP	102	%	70-130
MSM3002-BS	74-97-5	Bromochloromethane	BSP	105	%	70-130
MSM3002-BS	75-27-4	Bromodichloromethane	BSP	106	%	70-130
MSM3002-BS	75-25-2	Bromoform	BSP	104	%	70-130
MSM3002-BS	74-83-9	Bromomethane	BSP	87	%	70-130
MSM3002-BS	78-93-3	2-Butanone (MEK)	BSP	153 ^a	%	70-130
MSM3002-BS	104-51-8	n-Butylbenzene	BSP	123	%	70-130
MSM3002-BS	135-98-8	sec-Butylbenzene	BSP	115	%	70-130
MSM3002-BS	98-06-6	tert-Butylbenzene	BSP	96	%	70-130
MSM3002-BS	75-15-0	Carbon disulfide	BSP	97	%	70-130
MSM3002-BS	56-23-5	Carbon tetrachloride	BSP	114	%	70-130
MSM3002-BS	108-90-7	Chlorobenzene	BSP	98	%	70-130
MSM3002-BS	75-00-3	Chloroethane	BSP	94	%	70-130
MSM3002-BS	67-66-3	Chloroform	BSP	108	%	70-130
MSM3002-BS	74-87-3	Chloromethane	BSP	110	%	70-130
MSM3002-BS	95-49-8	o-Chlorotoluene	BSP	110	%	70-130
MSM3002-BS	106-43-4	p-Chlorotoluene	BSP	110	%	70-130
MSM3002-BS	108-20-3	Di-Isopropyl ether	BSP	117	%	70-130
MSM3002-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	109	%	70-130
MSM3002-BS	124-48-1	Dibromochloromethane	BSP	97	%	70-130
MSM3002-BS	106-93-4	1,2-Dibromoethane	BSP	97	%	70-130
MSM3002-BS	95-50-1	1,2-Dichlorobenzene	BSP	106	%	70-130
MSM3002-BS	541-73-1	1,3-Dichlorobenzene	BSP	106	%	70-130
MSM3002-BS	106-46-7	1,4-Dichlorobenzene	BSP	104	%	70-130
MSM3002-BS	75-71-8	Dichlorodifluoromethane	BSP	105	%	70-130
MSM3002-BS	75-34-3	1,1-Dichloroethane	BSP	110	%	70-130
MSM3002-BS	107-06-2	1,2-Dichloroethane	BSP	108	%	70-130
MSM3002-BS	75-35-4	1,1-Dichloroethene	BSP	109	%	70-130
MSM3002-BS	156-59-2	cis-1,2-Dichloroethene	BSP	107	%	70-130
MSM3002-BS	156-60-5	trans-1,2-Dichloroethene	BSP	108	%	70-130
MSM3002-BS	78-87-5	1,2-Dichloropropane	BSP	105	%	70-130
MSM3002-BS	142-28-9	1,3-Dichloropropane	BSP	99	%	70-130
MSM3002-BS	594-20-7	2,2-Dichloropropane	BSP	120	%	70-130
MSM3002-BS	563-58-6	1,1-Dichloropropene	BSP	111	%	70-130
MSM3002-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	107	%	70-130
MSM3002-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	111	%	70-130
MSM3002-BS	123-91-1	1,4-Dioxane	BSP	113	%	70-130
MSM3002-BS	60-29-7	Ethyl Ether	BSP	113	%	70-130
MSM3002-BS	100-41-4	Ethylbenzene	BSP	106	%	70-130
MSM3002-BS	87-68-3	Hexachlorobutadiene	BSP	114	%	70-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

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Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result	Units	Limits
MSM3002-BS	591-78-6	2-Hexanone	BSP	134	%	70-130
MSM3002-BS	98-82-8	Isopropylbenzene	BSP	114	%	70-130
MSM3002-BS	99-87-6	p-Isopropyltoluene	BSP	119	%	70-130
MSM3002-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	115	%	70-130
MSM3002-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	121	%	70-130
MSM3002-BS	74-95-3	Methylene bromide	BSP	104	%	70-130
MSM3002-BS	75-09-2	Methylene chloride	BSP	103	%	70-130
MSM3002-BS	91-20-3	Naphthalene	BSP	118	%	70-130
MSM3002-BS	103-65-1	n-Propylbenzene	BSP	113	%	70-130
MSM3002-BS	100-42-5	Styrene	BSP	111	%	70-130
MSM3002-BS	994-05-8	tert-Amyl Methyl Ether	BSP	116	%	70-130
MSM3002-BS	637-92-3	tert-Butyl Ethyl Ether	BSP	116	%	70-130
MSM3002-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	102	%	70-130
MSM3002-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	100	%	70-130
MSM3002-BS	127-18-4	Tetrachloroethene	BSP	101	%	70-130
MSM3002-BS	109-99-9	Tetrahydrofuran	BSP	112	%	70-130
MSM3002-BS	108-88-3	Toluene	BSP	104	%	70-130
MSM3002-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	116	%	70-130
MSM3002-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	119	%	70-130
MSM3002-BS	71-55-6	1,1,1-Trichloroethane	BSP	113	%	70-130
MSM3002-BS	79-00-5	1,1,2-Trichloroethane	BSP	102	%	70-130
MSM3002-BS	79-01-6	Trichloroethene	BSP	105	%	70-130
MSM3002-BS	75-69-4	Trichlorofluoromethane	BSP	116	%	70-130
MSM3002-BS	96-18-4	1,2,3-Trichloropropane	BSP	102	%	70-130
MSM3002-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	116	%	70-130
MSM3002-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	115	%	70-130
MSM3002-BS	75-01-4	Vinyl chloride	BSP	113	%	70-130
MSM3002-BS		m,p-Xylene	BSP	109	%	70-130
MSM3002-BS	95-47-6	o-Xylene	BSP	113	%	70-130
MSM3002-BS	1330-20-7	Xylene (total)	BSP	110	%	70-130
MSM3002-BS	1868-53-7	Dibromofluoromethane	BSP	104	%	70-130
MSM3002-BS	2037-26-5	Toluene-D8	BSP	102	%	70-130
MSM3002-BS	460-00-4	4-Bromofluorobenzene	BSP	99	%	70-130
MSM3002-BSD	67-64-1	Acetone	BSD	137	%	70-130
MSM3002-BSD	67-64-1	Acetone	BSD	13	%	20
MSM3002-BSD	71-43-2	Benzene	BSD	101	%	70-130
MSM3002-BSD	71-43-2	Benzene	BSD	1	%	20
MSM3002-BSD	108-86-1	Bromobenzene	BSD	102	%	70-130
MSM3002-BSD	108-86-1	Bromobenzene	BSD	0	%	20
MSM3002-BSD	74-97-5	Bromochloromethane	BSD	103	%	70-130
MSM3002-BSD	74-97-5	Bromochloromethane	BSD	2	%	20
MSM3002-BSD	75-27-4	Bromodichloromethane	BSD	106	%	70-130
MSM3002-BSD	75-27-4	Bromodichloromethane	BSD	0	%	20
MSM3002-BSD	75-25-2	Bromoform	BSD	100	%	70-130
MSM3002-BSD	75-25-2	Bromoform	BSD	4	%	20

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result	Units	Limits
MSM3002-BSD	74-83-9	Bromomethane	BSD	REC 93	%	70-130
MSM3002-BSD	74-83-9	Bromomethane	BSD	RPD 6	%	20
MSM3002-BSD	78-93-3	2-Butanone (MEK)	BSD	REC 129	%	70-130
MSM3002-BSD	78-93-3	2-Butanone (MEK)	BSD	RPD 17	%	20
MSM3002-BSD	104-51-8	n-Butylbenzene	BSD	REC 120	%	70-130
MSM3002-BSD	104-51-8	n-Butylbenzene	BSD	RPD 2	%	20
MSM3002-BSD	135-98-8	sec-Butylbenzene	BSD	REC 114	%	70-130
MSM3002-BSD	135-98-8	sec-Butylbenzene	BSD	RPD 1	%	20
MSM3002-BSD	98-06-6	tert-Butylbenzene	BSD	REC 92	%	70-130
MSM3002-BSD	98-06-6	tert-Butylbenzene	BSD	RPD 4	%	20
MSM3002-BSD	75-15-0	Carbon disulfide	BSD	REC 94	%	70-130
MSM3002-BSD	75-15-0	Carbon disulfide	BSD	RPD 3	%	20
MSM3002-BSD	56-23-5	Carbon tetrachloride	BSD	REC 110	%	70-130
MSM3002-BSD	56-23-5	Carbon tetrachloride	BSD	RPD 3	%	20
MSM3002-BSD	108-90-7	Chlorobenzene	BSD	REC 99	%	70-130
MSM3002-BSD	108-90-7	Chlorobenzene	BSD	RPD 0	%	20
MSM3002-BSD	75-00-3	Chloroethane	BSD	REC 104	%	70-130
MSM3002-BSD	75-00-3	Chloroethane	BSD	RPD 9	%	20
MSM3002-BSD	67-66-3	Chloroform	BSD	REC 105	%	70-130
MSM3002-BSD	67-66-3	Chloroform	BSD	RPD 2	%	20
MSM3002-BSD	74-87-3	Chloromethane	BSD	REC 106	%	70-130
MSM3002-BSD	74-87-3	Chloromethane	BSD	RPD 4	%	20
MSM3002-BSD	95-49-8	o-Chlorotoluene	BSD	REC 110	%	70-130
MSM3002-BSD	95-49-8	o-Chlorotoluene	BSD	RPD 0	%	20
MSM3002-BSD	106-43-4	p-Chlorotoluene	BSD	REC 109	%	70-130
MSM3002-BSD	106-43-4	p-Chlorotoluene	BSD	RPD 1	%	20
MSM3002-BSD	108-20-3	Di-Isopropyl ether	BSD	REC 114	%	70-130
MSM3002-BSD	108-20-3	Di-Isopropyl ether	BSD	RPD 2	%	20
MSM3002-BSD	96-12-8	1,2-Dibromo-3-chloropropane	BSD	REC 98	%	70-130
MSM3002-BSD	96-12-8	1,2-Dibromo-3-chloropropane	BSD	RPD 10	%	20
MSM3002-BSD	124-48-1	Dibromochloromethane	BSD	REC 97	%	70-130
MSM3002-BSD	124-48-1	Dibromochloromethane	BSD	RPD 0	%	20
MSM3002-BSD	106-93-4	1,2-Dibromoethane	BSD	REC 95	%	70-130
MSM3002-BSD	106-93-4	1,2-Dibromoethane	BSD	RPD 3	%	20
MSM3002-BSD	95-50-1	1,2-Dichlorobenzene	BSD	REC 104	%	70-130
MSM3002-BSD	95-50-1	1,2-Dichlorobenzene	BSD	RPD 2	%	20
MSM3002-BSD	541-73-1	1,3-Dichlorobenzene	BSD	REC 105	%	70-130
MSM3002-BSD	541-73-1	1,3-Dichlorobenzene	BSD	RPD 1	%	20
MSM3002-BSD	106-46-7	1,4-Dichlorobenzene	BSD	REC 104	%	70-130
MSM3002-BSD	106-46-7	1,4-Dichlorobenzene	BSD	RPD 0	%	20
MSM3002-BSD	75-71-8	Dichlorodifluoromethane	BSD	REC 99	%	70-130
MSM3002-BSD	75-71-8	Dichlorodifluoromethane	BSD	RPD 6	%	20
MSM3002-BSD	75-34-3	1,1-Dichloroethane	BSD	REC 107	%	70-130
MSM3002-BSD	75-34-3	1,1-Dichloroethane	BSD	RPD 3	%	20
MSM3002-BSD	107-06-2	1,2-Dichloroethane	BSD	REC 105	%	70-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result	Units	Limits
MSM3002-BSD	107-06-2	1,2-Dichloroethane	BSD	RPD 3	%	20
MSM3002-BSD	75-35-4	1,1-Dichloroethene	BSD	REC 106	%	70-130
MSM3002-BSD	75-35-4	1,1-Dichloroethene	BSD	RPD 2	%	20
MSM3002-BSD	156-59-2	cis-1,2-Dichloroethene	BSD	REC 104	%	70-130
MSM3002-BSD	156-59-2	cis-1,2-Dichloroethene	BSD	RPD 3	%	20
MSM3002-BSD	156-60-5	trans-1,2-Dichloroethene	BSD	REC 104	%	70-130
MSM3002-BSD	156-60-5	trans-1,2-Dichloroethene	BSD	RPD 4	%	20
MSM3002-BSD	78-87-5	1,2-Dichloropropane	BSD	REC 104	%	70-130
MSM3002-BSD	78-87-5	1,2-Dichloropropane	BSD	RPD 1	%	20
MSM3002-BSD	142-28-9	1,3-Dichloropropane	BSD	REC 99	%	70-130
MSM3002-BSD	142-28-9	1,3-Dichloropropane	BSD	RPD 0	%	20
MSM3002-BSD	594-20-7	2,2-Dichloropropane	BSD	REC 115	%	70-130
MSM3002-BSD	594-20-7	2,2-Dichloropropane	BSD	RPD 4	%	20
MSM3002-BSD	563-58-6	1,1-Dichloropropene	BSD	REC 109	%	70-130
MSM3002-BSD	563-58-6	1,1-Dichloropropene	BSD	RPD 2	%	20
MSM3002-BSD	10061-01-5	cis-1,3-Dichloropropene	BSD	REC 109	%	70-130
MSM3002-BSD	10061-01-5	cis-1,3-Dichloropropene	BSD	RPD 2	%	20
MSM3002-BSD	10061-02-6	trans-1,3-Dichloropropene	BSD	REC 109	%	70-130
MSM3002-BSD	10061-02-6	trans-1,3-Dichloropropene	BSD	RPD 1	%	20
MSM3002-BSD	123-91-1	1,4-Dioxane	BSD	REC 112	%	70-130
MSM3002-BSD	123-91-1	1,4-Dioxane	BSD	RPD 1	%	20
MSM3002-BSD	60-29-7	Ethyl Ether	BSD	REC 107	%	70-130
MSM3002-BSD	60-29-7	Ethyl Ether	BSD	RPD 5	%	20
MSM3002-BSD	100-41-4	Ethylbenzene	BSD	REC 105	%	70-130
MSM3002-BSD	100-41-4	Ethylbenzene	BSD	RPD 1	%	20
MSM3002-BSD	87-68-3	Hexachlorobutadiene	BSD	REC 111	%	70-130
MSM3002-BSD	87-68-3	Hexachlorobutadiene	BSD	RPD 2	%	20
MSM3002-BSD	591-78-6	2-Hexanone	BSD	REC 117	%	70-130
MSM3002-BSD	591-78-6	2-Hexanone	BSD	RPD 14	%	20
MSM3002-BSD	98-82-8	Isopropylbenzene	BSD	REC 113	%	70-130
MSM3002-BSD	98-82-8	Isopropylbenzene	BSD	RPD 1	%	20
MSM3002-BSD	99-87-6	p-Isopropyltoluene	BSD	REC 118	%	70-130
MSM3002-BSD	99-87-6	p-Isopropyltoluene	BSD	RPD 1	%	20
MSM3002-BSD	1634-04-4	Methyl Tert Butyl Ether	BSD	REC 109	%	70-130
MSM3002-BSD	1634-04-4	Methyl Tert Butyl Ether	BSD	RPD 5	%	20
MSM3002-BSD	108-10-1	4-Methyl-2-pentanone (MIBK)	BSD	REC 109	%	70-130
MSM3002-BSD	108-10-1	4-Methyl-2-pentanone (MIBK)	BSD	RPD 11	%	20
MSM3002-BSD	74-95-3	Methylene bromide	BSD	REC 102	%	70-130
MSM3002-BSD	74-95-3	Methylene bromide	BSD	RPD 2	%	20
MSM3002-BSD	75-09-2	Methylene chloride	BSD	REC 100	%	70-130
MSM3002-BSD	75-09-2	Methylene chloride	BSD	RPD 3	%	20
MSM3002-BSD	91-20-3	Naphthalene	BSD	REC 109	%	70-130
MSM3002-BSD	91-20-3	Naphthalene	BSD	RPD 8	%	20
MSM3002-BSD	103-65-1	n-Propylbenzene	BSD	REC 112	%	70-130
MSM3002-BSD	103-65-1	n-Propylbenzene	BSD	RPD 1	%	20

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result	Units Limits
MSM3002-BSD	100-42-5	Styrene	BSD	REC 111	% 70-130
MSM3002-BSD	100-42-5	Styrene	BSD	RPD 0	% 20
MSM3002-BSD	994-05-8	tert-Amyl Methyl Ether	BSD	REC 113	% 70-130
MSM3002-BSD	994-05-8	tert-Amyl Methyl Ether	BSD	RPD 2	% 20
MSM3002-BSD	637-92-3	tert-Butyl Ethyl Ether	BSD	REC 112	% 70-130
MSM3002-BSD	637-92-3	tert-Butyl Ethyl Ether	BSD	RPD 3	% 20
MSM3002-BSD	630-20-6	1,1,1,2-Tetrachloroethane	BSD	REC 100	% 70-130
MSM3002-BSD	630-20-6	1,1,1,2-Tetrachloroethane	BSD	RPD 2	% 20
MSM3002-BSD	79-34-5	1,1,2,2-Tetrachloroethane	BSD	REC 96	% 70-130
MSM3002-BSD	79-34-5	1,1,2,2-Tetrachloroethane	BSD	RPD 5	% 20
MSM3002-BSD	127-18-4	Tetrachloroethene	BSD	REC 101	% 70-130
MSM3002-BSD	127-18-4	Tetrachloroethene	BSD	RPD 0	% 20
MSM3002-BSD	109-99-9	Tetrahydrofuran	BSD	REC 105	% 70-130
MSM3002-BSD	109-99-9	Tetrahydrofuran	BSD	RPD 6	% 20
MSM3002-BSD	108-88-3	Toluene	BSD	REC 104	% 70-130
MSM3002-BSD	108-88-3	Toluene	BSD	RPD 0	% 20
MSM3002-BSD	87-61-6	1,2,3-Trichlorobenzene	BSD	REC 109	% 70-130
MSM3002-BSD	87-61-6	1,2,3-Trichlorobenzene	BSD	RPD 6	% 20
MSM3002-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	REC 113	% 70-130
MSM3002-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	RPD 5	% 20
MSM3002-BSD	71-55-6	1,1,1-Trichloroethane	BSD	REC 109	% 70-130
MSM3002-BSD	71-55-6	1,1,1-Trichloroethane	BSD	RPD 4	% 20
MSM3002-BSD	79-00-5	1,1,2-Trichloroethane	BSD	REC 100	% 70-130
MSM3002-BSD	79-00-5	1,1,2-Trichloroethane	BSD	RPD 2	% 20
MSM3002-BSD	79-01-6	Trichloroethene	BSD	REC 103	% 70-130
MSM3002-BSD	79-01-6	Trichloroethene	BSD	RPD 2	% 20
MSM3002-BSD	75-69-4	Trichlorofluoromethane	BSD	REC 110	% 70-130
MSM3002-BSD	75-69-4	Trichlorofluoromethane	BSD	RPD 5	% 20
MSM3002-BSD	96-18-4	1,2,3-Trichloropropane	BSD	REC 99	% 70-130
MSM3002-BSD	96-18-4	1,2,3-Trichloropropane	BSD	RPD 3	% 20
MSM3002-BSD	95-63-6	1,2,4-Trimethylbenzene	BSD	REC 115	% 70-130
MSM3002-BSD	95-63-6	1,2,4-Trimethylbenzene	BSD	RPD 2	% 20
MSM3002-BSD	108-67-8	1,3,5-Trimethylbenzene	BSD	REC 113	% 70-130
MSM3002-BSD	108-67-8	1,3,5-Trimethylbenzene	BSD	RPD 1	% 20
MSM3002-BSD	75-01-4	Vinyl chloride	BSD	REC 106	% 70-130
MSM3002-BSD	75-01-4	Vinyl chloride	BSD	RPD 6	% 20
MSM3002-BSD		m,p-Xylene	BSD	REC 108	% 70-130
MSM3002-BSD		m,p-Xylene	BSD	RPD 1	% 20
MSM3002-BSD	95-47-6	o-Xylene	BSD	REC 113	% 70-130
MSM3002-BSD	95-47-6	o-Xylene	BSD	RPD 0	% 20
MSM3002-BSD	1330-20-7	Xylene (total)	BSD	REC 110	% 70-130
MSM3002-BSD	1330-20-7	Xylene (total)	BSD	RPD 0	% 20
MSM3002-BSD	1868-53-7	Dibromofluoromethane	BSD	SURR 101	% 70-130
MSM3002-BSD	2037-26-5	Toluene-D8	BSD	SURR 102	% 70-130
MSM3002-BSD	460-00-4	4-Bromofluorobenzene	BSD	SURR 100	% 70-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result	Units Limits
MSM3002-MB	1868-53-7	Dibromofluoromethane	MB	SURR 121	% 70-130
MSM3002-MB	2037-26-5	Toluene-D8	MB	SURR 103	% 70-130
MSM3002-MB	460-00-4	4-Bromofluorobenzene	MB	SURR 98	% 70-130
MC49976-4	1868-53-7	Dibromofluoromethane	SAMP	SURR 131	% 70-130
MC49976-4	2037-26-5	Toluene-D8	SAMP	SURR 103	% 70-130
MC49976-4	460-00-4	4-Bromofluorobenzene	SAMP	SURR 107	% 70-130
MC49976-8	1868-53-7	Dibromofluoromethane	SAMP	SURR 130	% 70-130
MC49976-8	1868-53-7	Dibromofluoromethane	SAMP	SURR 131	% 70-130
MC49976-8	2037-26-5	Toluene-D8	SAMP	SURR 103	% 70-130
MC49976-8	2037-26-5	Toluene-D8	SAMP	SURR 103	% 70-130
MC49976-8	460-00-4	4-Bromofluorobenzene	SAMP	SURR 121	% 70-130
MC49976-8	460-00-4	4-Bromofluorobenzene	SAMP	SURR 111	% 70-130
MC49976-12	1868-53-7	Dibromofluoromethane	SAMP	SURR 133	% 70-130
MC49976-12	1868-53-7	Dibromofluoromethane	SAMP	SURR 133	% 70-130
MC49976-12	2037-26-5	Toluene-D8	SAMP	SURR 111	% 70-130
MC49976-12	2037-26-5	Toluene-D8	SAMP	SURR 104	% 70-130
MC49976-12	460-00-4	4-Bromofluorobenzene	SAMP	SURR 121	% 70-130
MC49976-12	460-00-4	4-Bromofluorobenzene	SAMP	SURR 124	% 70-130
MC49976-16	1868-53-7	Dibromofluoromethane	SAMP	SURR 136	% 70-130
MC49976-16	1868-53-7	Dibromofluoromethane	SAMP	SURR 128	% 70-130
MC49976-16	2037-26-5	Toluene-D8	SAMP	SURR 106	% 70-130
MC49976-16	2037-26-5	Toluene-D8	SAMP	SURR 106	% 70-130
MC49976-16	460-00-4	4-Bromofluorobenzene	SAMP	SURR 101	% 70-130
MC49976-16	460-00-4	4-Bromofluorobenzene	SAMP	SURR 102	% 70-130
MC49976-20	1868-53-7	Dibromofluoromethane	SAMP	SURR 136	% 70-130
MC49976-20	2037-26-5	Toluene-D8	SAMP	SURR 114	% 70-130
MC49976-20	460-00-4	4-Bromofluorobenzene	SAMP	SURR 107	% 70-130
MSM3003	SW846 8260C				
MSM3003-BS	67-64-1	Acetone	BSP	REC 157	% 70-130
MSM3003-BS	71-43-2	Benzene	BSP	REC 104	% 70-130
MSM3003-BS	108-86-1	Bromobenzene	BSP	REC 102	% 70-130
MSM3003-BS	74-97-5	Bromochloromethane	BSP	REC 108	% 70-130
MSM3003-BS	75-27-4	Bromodichloromethane	BSP	REC 111	% 70-130
MSM3003-BS	75-25-2	Bromoform	BSP	REC 107	% 70-130
MSM3003-BS	74-83-9	Bromomethane	BSP	REC 92	% 70-130
MSM3003-BS	78-93-3	2-Butanone (MEK)	BSP	REC 149	% 70-130
MSM3003-BS	104-51-8	n-Butylbenzene	BSP	REC 114	% 70-130
MSM3003-BS	135-98-8	sec-Butylbenzene	BSP	REC 110	% 70-130
MSM3003-BS	98-06-6	tert-Butylbenzene	BSP	REC 92	% 70-130
MSM3003-BS	75-15-0	Carbon disulfide	BSP	REC 94	% 70-130
MSM3003-BS	56-23-5	Carbon tetrachloride	BSP	REC 112	% 70-130
MSM3003-BS	108-90-7	Chlorobenzene	BSP	REC 97	% 70-130
MSM3003-BS	75-00-3	Chloroethane	BSP	REC 102	% 70-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3003-BS	67-66-3	Chloroform	BSP	REC	110	%	70-130
MSM3003-BS	74-87-3	Chloromethane	BSP	REC	106	%	70-130
MSM3003-BS	95-49-8	o-Chlorotoluene	BSP	REC	108	%	70-130
MSM3003-BS	106-43-4	p-Chlorotoluene	BSP	REC	108	%	70-130
MSM3003-BS	108-20-3	Di-Isopropyl ether	BSP	REC	117	%	70-130
MSM3003-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	113	%	70-130
MSM3003-BS	124-48-1	Dibromochloromethane	BSP	REC	101	%	70-130
MSM3003-BS	106-93-4	1,2-Dibromoethane	BSP	REC	102	%	70-130
MSM3003-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	102	%	70-130
MSM3003-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	103	%	70-130
MSM3003-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	100	%	70-130
MSM3003-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	93	%	70-130
MSM3003-BS	75-34-3	1,1-Dichloroethane	BSP	REC	111	%	70-130
MSM3003-BS	107-06-2	1,2-Dichloroethane	BSP	REC	116	%	70-130
MSM3003-BS	75-35-4	1,1-Dichloroethene	BSP	REC	104	%	70-130
MSM3003-BS	156-59-2	cis-1,2-Dichloroethene	BSP	REC	106	%	70-130
MSM3003-BS	156-60-5	trans-1,2-Dichloroethene	BSP	REC	106	%	70-130
MSM3003-BS	78-87-5	1,2-Dichloropropane	BSP	REC	108	%	70-130
MSM3003-BS	142-28-9	1,3-Dichloropropane	BSP	REC	104	%	70-130
MSM3003-BS	594-20-7	2,2-Dichloropropane	BSP	REC	113	%	70-130
MSM3003-BS	563-58-6	1,1-Dichloropropene	BSP	REC	111	%	70-130
MSM3003-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	113	%	70-130
MSM3003-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	118	%	70-130
MSM3003-BS	123-91-1	1,4-Dioxane	BSP	REC	137	%	70-130
MSM3003-BS	60-29-7	Ethyl Ether	BSP	REC	115	%	70-130
MSM3003-BS	100-41-4	Ethylbenzene	BSP	REC	104	%	70-130
MSM3003-BS	87-68-3	Hexachlorobutadiene	BSP	REC	102	%	70-130
MSM3003-BS	591-78-6	2-Hexanone	BSP	REC	132	%	70-130
MSM3003-BS	98-82-8	Isopropylbenzene	BSP	REC	109	%	70-130
MSM3003-BS	99-87-6	p-Isopropyltoluene	BSP	REC	112	%	70-130
MSM3003-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	116	%	70-130
MSM3003-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	129	%	70-130
MSM3003-BS	74-95-3	Methylene bromide	BSP	REC	111	%	70-130
MSM3003-BS	75-09-2	Methylene chloride	BSP	REC	102	%	70-130
MSM3003-BS	91-20-3	Naphthalene	BSP	REC	113	%	70-130
MSM3003-BS	103-65-1	n-Propylbenzene	BSP	REC	109	%	70-130
MSM3003-BS	100-42-5	Styrene	BSP	REC	111	%	70-130
MSM3003-BS	994-05-8	tert-Amyl Methyl Ether	BSP	REC	118	%	70-130
MSM3003-BS	637-92-3	tert-Butyl Ethyl Ether	BSP	REC	115	%	70-130
MSM3003-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	100	%	70-130
MSM3003-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	104	%	70-130
MSM3003-BS	127-18-4	Tetrachloroethene	BSP	REC	98	%	70-130
MSM3003-BS	109-99-9	Tetrahydrofuran	BSP	REC	125	%	70-130
MSM3003-BS	108-88-3	Toluene	BSP	REC	107	%	70-130
MSM3003-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	104	%	70-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3003-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	104	%	70-130
MSM3003-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	111	%	70-130
MSM3003-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	109	%	70-130
MSM3003-BS	79-01-6	Trichloroethene	BSP	REC	106	%	70-130
MSM3003-BS	75-69-4	Trichlorofluoromethane	BSP	REC	111	%	70-130
MSM3003-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	107	%	70-130
MSM3003-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	111	%	70-130
MSM3003-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	110	%	70-130
MSM3003-BS	75-01-4	Vinyl chloride	BSP	REC	105	%	70-130
MSM3003-BS		m,p-Xylene	BSP	REC	107	%	70-130
MSM3003-BS	95-47-6	o-Xylene	BSP	REC	110	%	70-130
MSM3003-BS	1330-20-7	Xylene (total)	BSP	REC	108	%	70-130
MSM3003-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	104	%	70-130
MSM3003-BS	2037-26-5	Toluene-D8	BSP	SURR	103	%	70-130
MSM3003-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	101	%	70-130
MSM3003-BSD	67-64-1	Acetone	BSD	REC	174	%	70-130
MSM3003-BSD	67-64-1	Acetone	BSD	RPD	10	%	20
MSM3003-BSD	71-43-2	Benzene	BSD	REC	106	%	70-130
MSM3003-BSD	71-43-2	Benzene	BSD	RPD	2	%	20
MSM3003-BSD	108-86-1	Bromobenzene	BSD	REC	105	%	70-130
MSM3003-BSD	108-86-1	Bromobenzene	BSD	RPD	3	%	20
MSM3003-BSD	74-97-5	Bromochloromethane	BSD	REC	108	%	70-130
MSM3003-BSD	74-97-5	Bromochloromethane	BSD	RPD	1	%	20
MSM3003-BSD	75-27-4	Bromodichloromethane	BSD	REC	112	%	70-130
MSM3003-BSD	75-25-2	Bromodichloromethane	BSD	RPD	1	%	20
MSM3003-BSD	75-25-2	Bromoform	BSD	REC	103	%	70-130
MSM3003-BSD	75-25-2	Bromoform	BSD	RPD	4	%	20
MSM3003-BSD	74-83-9	Bromomethane	BSD	REC	97	%	70-130
MSM3003-BSD	74-83-9	Bromomethane	BSD	RPD	6	%	20
MSM3003-BSD	78-93-3	2-Butanone (MEK)	BSD	REC	143	%	70-130
MSM3003-BSD	78-93-3	2-Butanone (MEK)	BSD	RPD	4	%	20
MSM3003-BSD	104-51-8	n-Butylbenzene	BSD	REC	124	%	70-130
MSM3003-BSD	104-51-8	n-Butylbenzene	BSD	RPD	9	%	20
MSM3003-BSD	135-98-8	sec-Butylbenzene	BSD	REC	118	%	70-130
MSM3003-BSD	135-98-8	sec-Butylbenzene	BSD	RPD	7	%	20
MSM3003-BSD	98-06-6	tert-Butylbenzene	BSD	REC	114	%	70-130
MSM3003-BSD	98-06-6	tert-Butylbenzene	BSD	RPD	21	%	20
MSM3003-BSD	75-15-0	Carbon disulfide	BSD	REC	96	%	70-130
MSM3003-BSD	75-15-0	Carbon disulfide	BSD	RPD	3	%	20
MSM3003-BSD	56-23-5	Carbon tetrachloride	BSD	REC	116	%	70-130
MSM3003-BSD	108-90-7	Chlorobenzene	BSD	RPD	3	%	20
MSM3003-BSD	108-90-7	Chlorobenzene	BSD	REC	102	%	70-130
MSM3003-BSD	108-90-7	Chlorobenzene	BSD	RPD	4	%	20
MSM3003-BSD	75-00-3	Chloroethane	BSD	REC	111	%	70-130
MSM3003-BSD	75-00-3	Chloroethane	BSD	RPD	8	%	20

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result	Units	Limits
MSM3003 BSD	67-66-3	Chloroform	BSD	REC 113	%	70-130
MSM3003 BSD	67-66-3	Chloroform	BSD	RPD 3	%	20
MSM3003 BSD	74-87-3	Chloromethane	BSD	REC 109	%	70-130
MSM3003 BSD	74-87-3	Chloromethane	BSD	RPD 3	%	20
MSM3003 BSD	95-49-8	o-Chlorotoluene	BSD	REC 114	%	70-130
MSM3003 BSD	95-49-8	o-Chlorotoluene	BSD	RPD 5	%	20
MSM3003 BSD	106-43-4	p-Chlorotoluene	BSD	REC 114	%	70-130
MSM3003 BSD	106-43-4	p-Chlorotoluene	BSD	RPD 5	%	20
MSM3003 BSD	108-20-3	Di-Isopropyl ether	BSD	REC 119	%	70-130
MSM3003 BSD	108-20-3	Di-Isopropyl ether	BSD	RPD 1	%	20
MSM3003 BSD	96-12-8	1,2-Dibromo 3-chloropropane	BSD	REC 106	%	70-130
MSM3003 BSD	96-12-8	1,2-Dibromo 3-chloropropane	BSD	RPD 7	%	20
MSM3003 BSD	124-48-1	Dibromochloromethane	BSD	REC 101	%	70-130
MSM3003 BSD	124-48-1	Dibromochloromethane	BSD	RPD 1	%	20
MSM3003 BSD	106-93-4	1,2-Dibromoethane	BSD	REC 99	%	70-130
MSM3003 BSD	106-93-4	1,2-Dibromoethane	BSD	RPD 3	%	20
MSM3003 BSD	95-50-1	1,2-Dichlorobenzene	BSD	REC 106	%	70-130
MSM3003 BSD	95-50-1	1,2-Dichlorobenzene	BSD	RPD 4	%	20
MSM3003 BSD	541-73-1	1,3-Dichlorobenzene	BSD	REC 108	%	70-130
MSM3003 BSD	541-73-1	1,3-Dichlorobenzene	BSD	RPD 5	%	20
MSM3003 BSD	106-46-7	1,4-Dichlorobenzene	BSD	REC 106	%	70-130
MSM3003 BSD	75-71-8	Dichlorodifluoromethane	BSD	REC 99	%	70-130
MSM3003 BSD	75-71-8	Dichlorodifluoromethane	BSD	RPD 6	%	20
MSM3003 BSD	75-34-3	1,1 Dichloroethane	BSD	REC 112	%	70-130
MSM3003 BSD	75-34-3	1,1-Dichloroethane	BSD	RPD 1	%	20
MSM3003 BSD	107-06-2	1,2-Dichloroethane	BSD	REC 114	%	70-130
MSM3003 BSD	107-06-2	1,2-Dichloroethane	BSD	RPD 2	%	20
MSM3003 BSD	75-35-4	1,1 Dichloroethene	BSD	REC 110	%	70-130
MSM3003 BSD	75-35-4	1,1-Dichloroethene	BSD	RPD 6	%	20
MSM3003 BSD	156-59-2	cis-1,2-Dichloroethene	BSD	REC 109	%	70-130
MSM3003 BSD	156-59-2	cis-1,2-Dichloroethene	BSD	RPD 3	%	20
MSM3003 BSD	156-60-5	trans-1,2-Dichloroethene	BSD	REC 111	%	70-130
MSM3003 BSD	156-60-5	trans-1,2-Dichloroethene	BSD	RPD 5	%	20
MSM3003 BSD	78-87-5	1,2-Dichloropropane	BSD	REC 108	%	70-130
MSM3003 BSD	78-87-5	1,2-Dichloropropane	BSD	RPD 1	%	20
MSM3003 BSD	142-28-9	1,3-Dichloropropane	BSD	REC 104	%	70-130
MSM3003 BSD	142-28-9	1,3-Dichloropropane	BSD	RPD 0	%	20
MSM3003 BSD	594-20-7	2,2-Dichloropropane	BSD	REC 121	%	70-130
MSM3003 BSD	594-20-7	2,2-Dichloropropane	BSD	RPD 7	%	20
MSM3003 BSD	563-58-6	1,1-Dichloropropene	BSD	REC 116	%	70-130
MSM3003 BSD	563-58-6	1,1-Dichloropropene	BSD	RPD 4	%	20
MSM3003 BSD	10061-01-5	cis-1,3-Dichloropropene	BSD	REC 114	%	70-130
MSM3003 BSD	10061-01-5	cis-1,3-Dichloropropene	BSD	RPD 1	%	20
MSM3003 BSD	10061-02-6	trans-1,3-Dichloropropene	BSD	REC 116	%	70-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result	Units	Limits
MSM3003 BSD	10061-02-6	trans-1,3-Dichloropropene	BSD	RPD 1	%	20
MSM3003 BSD	123-91-1	1,4-Dioxane	BSD	REC 111	%	70-130
MSM3003 BSD	123-91-1	1,4-Dioxane	BSD	RPD 21	%	20
MSM3003 BSD	60-29-7	Ethyl Ether	BSD	REC 114	%	70-130
MSM3003 BSD	60-29-7	Ethyl Ether	BSD	RPD 1	%	20
MSM3003 BSD	100-41-4	Ethylbenzene	BSD	REC 109	%	70-130
MSM3003 BSD	100-41-4	Ethylbenzene	BSD	RPD 5	%	20
MSM3003 BSD	87-68-3	Hexachlorobutadiene	BSD	REC 112	%	70-130
MSM3003 BSD	87-68-3	Hexachlorobutadiene	BSD	RPD 10	%	20
MSM3003 BSD	591-78-6	2-Hexanone	BSD	REC 128	%	70-130
MSM3003 BSD	591-78-6	2-Hexanone	BSD	RPD 3	%	20
MSM3003 BSD	98-82-8	Isopropylbenzene	BSD	REC 117	%	70-130
MSM3003 BSD	98-82-8	Isopropylbenzene	BSD	RPD 7	%	20
MSM3003 BSD	99-87-6	p-Isopropyltoluene	BSD	REC 121	%	70-130
MSM3003 BSD	99-87-6	p-Isopropyltoluene	BSD	RPD 8	%	20
MSM3003 BSD	1634-04-4	Methyl Tert Butyl Ether	BSD	REC 114	%	70-130
MSM3003 BSD	1634-04-4	Methyl Tert Butyl Ether	BSD	RPD 2	%	20
MSM3003 BSD	108-10-1	4 Methyl 2-pentanone (MIBK)	BSD	REC 121	%	70-130
MSM3003 BSD	108-10-1	4 Methyl 2-pentanone (MIBK)	BSD	RPD 6	%	20
MSM3003 BSD	74-95-3	Methylene bromide	BSD	REC 109	%	70-130
MSM3003 BSD	74-95-3	Methylene bromide	BSD	RPD 1	%	20
MSM3003 BSD	75-09-2	Methylene chloride	BSD	REC 104	%	70-130
MSM3003 BSD	75-09-2	Methylene chloride	BSD	RPD 2	%	20
MSM3003 BSD	91-20-3	Naphthalene	BSD	REC 112	%	70-130
MSM3003 BSD	91-20-3	Naphthalene	BSD	RPD 0	%	20
MSM3003 BSD	103-65-1	n-Propylbenzene	BSD	REC 117	%	70-130
MSM3003 BSD	103-65-1	n-Propylbenzene	BSD	RPD 7	%	20
MSM3003 BSD	100-42-5	Styrene	BSD	REC 115	%	70-130
MSM3003 BSD	100-42-5	Styrene	BSD	RPD 4	%	20
MSM3003 BSD	994-05-8	tert-Amyl Methyl Ether	BSD	REC 115	%	70-130
MSM3003 BSD	994-05-8	tert-Amyl Methyl Ether	BSD	RPD 2	%	20
MSM3003 BSD	637-92-3	tert-Butyl Ethyl Ether	BSD	REC 118	%	70-130
MSM3003 BSD	637-92-3	tert-Butyl Ethyl Ether	BSD	RPD 2	%	20
MSM3003 BSD	630-20-6	1,1,1,2-Tetrachloroethane	BSD	REC 103	%	70-130
MSM3003 BSD	630-20-6	1,1,1,2-Tetrachloroethane	BSD	RPD 3	%	20
MSM3003 BSD	79-34-5	1,1,2,2-Tetrachloroethane	BSD	REC 101	%	70-130
MSM3003 BSD	79-34-5	1,1,2,2-Tetrachloroethane	BSD	RPD 2	%	20
MSM3003 BSD	127-18-4	Tetrachloroethene	BSD	REC 103	%	70-130
MSM3003 BSD	127-18-4	Tetrachloroethene	BSD	RPD 6	%	20
MSM3003 BSD	109-99-9	Tetrahydrofuran	BSD	REC 115	%	70-130
MSM3003 BSD	109-99-9	Tetrahydrofuran	BSD	RPD 9	%	20
MSM3003 BSD	108-88-3	Toluene	BSD	REC 110	%	70-130
MSM3003 BSD	108-88-3	Toluene	BSD	RPD 3	%	20
MSM3003 BSD	87-61-6	1,2,3-Trichlorobenzene	BSD	REC 110	%	70-130
MSM3003 BSD	87-61-6	1,2,3-Trichlorobenzene	BSD	RPD 6	%	20

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

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Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result	Units	Limits
MSM3003-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	REC 114	%	70-130
MSM3003-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	RPD 9	%	20
MSM3003-BSD	71-55-6	1,1,1-Trichloroethane	BSD	REC 115	%	70-130
MSM3003-BSD	71-55-6	1,1,1-Trichloroethane	BSD	RPD 4	%	20
MSM3003-BSD	79-00-5	1,1,2-Trichloroethane	BSD	REC 106	%	70-130
MSM3003-BSD	79-00-5	1,1,2-Trichloroethane	BSD	RPD 2	%	20
MSM3003-BSD	79-01-6	Trichloroethene	BSD	REC 108	%	70-130
MSM3003-BSD	79-01-6	Trichloroethene	BSD	RPD 2	%	20
MSM3003-BSD	75-69-4	Trichlorofluoromethane	BSD	REC 117	%	70-130
MSM3003-BSD	75-69-4	Trichlorofluoromethane	BSD	RPD 5	%	20
MSM3003-BSD	96-18-4	1,2,3-Trichloropropane	BSD	REC 105	%	70-130
MSM3003-BSD	96-18-4	1,2,3-Trichloropropane	BSD	RPD 2	%	20
MSM3003-BSD	95-63-6	1,2,4-Trimethylbenzene	BSD	REC 119	%	70-130
MSM3003-BSD	95-63-6	1,2,4-Trimethylbenzene	BSD	RPD 7	%	20
MSM3003-BSD	108-67-8	1,3,5-Trimethylbenzene	BSD	REC 118	%	70-130
MSM3003-BSD	108-67-8	1,3,5-Trimethylbenzene	BSD	RPD 7	%	20
MSM3003-BSD	75-01-4	Vinyl chloride	BSD	REC 111	%	70-130
MSM3003-BSD	75-01-4	Vinyl chloride	BSD	RPD 5	%	20
MSM3003-BSD		m,p-Xylene	BSD	REC 112	%	70-130
MSM3003-BSD	95-47-6	m,p-Xylene	BSD	RPD 5	%	20
MSM3003-BSD	95-47-6	o-Xylene	BSD	REC 115	%	70-130
MSM3003-BSD	1330-20-7	Xylene (total)	BSD	RPD 4	%	20
MSM3003-BSD	1330-20-7	Xylene (total)	BSD	REC 113	%	70-130
MSM3003-BSD	1868-53-7	Dibromofluoromethane	BSD	SURR 103	%	70-130
MSM3003-BSD	2037-26-5	Toluene-D8	BSD	SURR 103	%	70-130
MSM3003-BSD	460-00-4	4-Bromofluorobenzene	BSD	SURR 101	%	70-130
MSM3003-MB	1868-53-7	Dibromofluoromethane	MB	SURR 130	%	70-130
MSM3003-MB	2037-26-5	Toluene-D8	MB	SURR 104	%	70-130
MSM3003-MB	460-00-4	4-Bromofluorobenzene	MB	SURR 98	%	70-130
MC49976-28	1868-53-7	Dibromofluoromethane	SAMP	SURR 127	%	70-130
MC49976-28	2037-26-5	Toluene-D8	SAMP	SURR 104	%	70-130
MC49976-28	460-00-4	4-Bromofluorobenzene	SAMP	SURR 106	%	70-130
MC49976-32	1868-53-7	Dibromofluoromethane	SAMP	SURR 134	%	70-130
MC49976-32	2037-26-5	Toluene-D8	SAMP	SURR 107	%	70-130
MC49976-32	460-00-4	4-Bromofluorobenzene	SAMP	SURR 106	%	70-130
MC49976-36	1868-53-7	Dibromofluoromethane	SAMP	SURR 138	%	70-130
MC49976-36	2037-26-5	Toluene-D8	SAMP	SURR 107	%	70-130
MC49976-36	460-00-4	4-Bromofluorobenzene	SAMP	SURR 108	%	70-130
MC49976-40	1868-53-7	Dibromofluoromethane	SAMP	SURR 138	%	70-130
MC49976-40	2037-26-5	Toluene-D8	SAMP	SURR 106	%	70-130
MC49976-40	460-00-4	4-Bromofluorobenzene	SAMP	SURR 103	%	70-130
MC49976-44	1868-53-7	Dibromofluoromethane	SAMP	SURR 147 ^b	%	70-130
MC49976-44	1868-53-7	Dibromofluoromethane	SAMP	SURR 136	%	70-130
MC49976-44	2037-26-5	Toluene-D8	SAMP	SURR 108	%	70-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

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Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result	Units	Limits
MC49976-44	2037-26-5	Toluene-D8	SAMP	SURR 110	%	70-130
MC49976-44	460-00-4	4-Bromofluorobenzene	SAMP	SURR 103	%	70-130
MC49976-44	460-00-4	4-Bromofluorobenzene	SAMP	SURR 117	%	70-130
MC49976-48	1868-53-7	Dibromofluoromethane	SAMP	SURR 142 ^c	%	70-130
MC49976-48	1868-53-7	Dibromofluoromethane	SAMP	SURR 150 ^c	%	70-130
MC49976-48	2037-26-5	Toluene-D8	SAMP	SURR 109	%	70-130
MC49976-48	2037-26-5	Toluene-D8	SAMP	SURR 106	%	70-130
MC49976-48	460-00-4	4-Bromofluorobenzene	SAMP	SURR 105	%	70-130
MC49976-48	460-00-4	4-Bromofluorobenzene	SAMP	SURR 112	%	70-130
MC49976-56	1868-53-7	Dibromofluoromethane	SAMP	SURR 147 ^c	%	70-130
MC49976-56	1868-53-7	Dibromofluoromethane	SAMP	SURR 173 ^c	%	70-130
MC49976-56	2037-26-5	Toluene-D8	SAMP	SURR 114	%	70-130
MC49976-56	2037-26-5	Toluene-D8	SAMP	SURR 107	%	70-130
MC49976-56	460-00-4	4-Bromofluorobenzene	SAMP	SURR 112	%	70-130
MC49976-56	460-00-4	4-Bromofluorobenzene	SAMP	SURR 103	%	70-130
MC49976-60	1868-53-7	Dibromofluoromethane	SAMP	SURR 167 ^c	%	70-130
MC49976-60	1868-53-7	Dibromofluoromethane	SAMP	SURR 151 ^c	%	70-130
MC49976-60	2037-26-5	Toluene-D8	SAMP	SURR 111	%	70-130
MC49976-60	2037-26-5	Toluene-D8	SAMP	SURR 111	%	70-130
MC49976-60	460-00-4	4-Bromofluorobenzene	SAMP	SURR 116	%	70-130
MC49976-60	460-00-4	4-Bromofluorobenzene	SAMP	SURR 119	%	70-130
MC49976-72	1868-53-7	Dibromofluoromethane	SAMP	SURR 170 ^c	%	70-130
MC49976-72	1868-53-7	Dibromofluoromethane	SAMP	SURR 169 ^c	%	70-130
MC49976-72	2037-26-5	Toluene-D8	SAMP	SURR 114	%	70-130
MC49976-72	2037-26-5	Toluene-D8	SAMP	SURR 110	%	70-130
MC49976-72	460-00-4	4-Bromofluorobenzene	SAMP	SURR 113	%	70-130
MC49976-72	460-00-4	4-Bromofluorobenzene	SAMP	SURR 100	%	70-130
MSM3004	SW846 8260C					
MSM3004-BS	67-64-1	Acetone	BSP	REC 138	%	70-130
MSM3004-BS	71-43-2	Benzene	BSP	REC 108	%	70-130
MSM3004-BS	108-86-1	Bromobenzene	BSP	REC 94	%	70-130
MSM3004-BS	74-97-5	Bromochloromethane	BSP	REC 108	%	70-130
MSM3004-BS	75-27-4	Bromodichloromethane	BSP	REC 110	%	70-130
MSM3004-BS	75-25-2	Bromoform	BSP	REC 97	%	70-130
MSM3004-BS	74-83-9	Bromomethane	BSP	REC 94	%	70-130
MSM3004-BS	78-93-3	2-Butanone (MEK)	BSP	REC 143	%	70-130
MSM3004-BS	104-51-8	n-Butylbenzene	BSP	REC 116	%	70-130
MSM3004-BS	135-98-8	sec-Butylbenzene	BSP	REC 109	%	70-130
MSM3004-BS	98-06-6	tert-Butylbenzene	BSP	REC 91	%	70-130
MSM3004-BS	75-15-0	Carbon disulfide	BSP	REC 102	%	70-130
MSM3004-BS	56-23-5	Carbon tetrachloride	BSP	REC 108	%	70-130
MSM3004-BS	108-90-7	Chlorobenzene	BSP	REC 91	%	70-130
MSM3004-BS	75-00-3	Chloroethane	BSP	REC 99	%	70-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

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Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3004-BS	67-66-3	Chloroform	BSP	REC	116	%	70-130
MSM3004-BS	74-87-3	Chloromethane	BSP	REC	101	%	70-130
MSM3004-BS	95-49-8	o-Chlorotoluene	BSP	REC	107	%	70-130
MSM3004-BS	106-43-4	p-Chlorotoluene	BSP	REC	105	%	70-130
MSM3004-BS	108-20-3	Di-Isopropyl ether	BSP	REC	118	%	70-130
MSM3004-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	103	%	70-130
MSM3004-BS	124-48-1	Dibromochloromethane	BSP	REC	90	%	70-130
MSM3004-BS	106-93-4	1,2-Dibromomethane	BSP	REC	91	%	70-130
MSM3004-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	99	%	70-130
MSM3004-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	98	%	70-130
MSM3004-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	96	%	70-130
MSM3004-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	86	%	70-130
MSM3004-BS	75-34-3	1,1-Dichloroethane	BSP	REC	116	%	70-130
MSM3004-BS	107-06-2	1,2-Dichloroethane	BSP	REC	112	%	70-130
MSM3004-BS	75-35-4	1,1-Dichloroethene	BSP	REC	110	%	70-130
MSM3004-BS	156-59-2	cis-1,2-Dichloroethene	BSP	REC	114	%	70-130
MSM3004-BS	156-60-5	trans-1,2-Dichloroethene	BSP	REC	109	%	70-130
MSM3004-BS	78-87-5	1,2-Dichloropropane	BSP	REC	114	%	70-130
MSM3004-BS	142-28-9	1,3-Dichloropropane	BSP	REC	100	%	70-130
MSM3004-BS	594-20-7	2,2-Dichloropropane	BSP	REC	112	%	70-130
MSM3004-BS	563-58-6	1,1-Dichloropropene	BSP	REC	114	%	70-130
MSM3004-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	109	%	70-130
MSM3004-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	112	%	70-130
MSM3004-BS	123-91-1	1,4-Dioxane	BSP	REC	96	%	70-130
MSM3004-BS	60-29-7	Ethyl Ether	BSP	REC	115	%	70-130
MSM3004-BS	100-41-4	Ethylbenzene	BSP	REC	100	%	70-130
MSM3004-BS	87-68-3	Hexachlorobutadiene	BSP	REC	105	%	70-130
MSM3004-BS	591-78-6	2-Hexanone	BSP	REC	104	%	70-130
MSM3004-BS	98-82-8	Isopropylbenzene	BSP	REC	107	%	70-130
MSM3004-BS	99-87-6	p-Isopropyltoluene	BSP	REC	109	%	70-130
MSM3004-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	117	%	70-130
MSM3004-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	114	%	70-130
MSM3004-BS	74-95-3	Methylene bromide	BSP	REC	109	%	70-130
MSM3004-BS	75-09-2	Methylene chloride	BSP	REC	113	%	70-130
MSM3004-BS	91-20-3	Naphthalene	BSP	REC	104	%	70-130
MSM3004-BS	103-65-1	n-Propylbenzene	BSP	REC	110	%	70-130
MSM3004-BS	100-42-5	Styrene	BSP	REC	106	%	70-130
MSM3004-BS	994-05-8	tert-Amyl Methyl Ether	BSP	REC	115	%	70-130
MSM3004-BS	637-92-3	tert-Butyl Ethyl Ether	BSP	REC	114	%	70-130
MSM3004-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	93	%	70-130
MSM3004-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	102	%	70-130
MSM3004-BS	127-18-4	Tetrachloroethene	BSP	REC	89	%	70-130
MSM3004-BS	109-99-9	Tetrahydrofuran	BSP	REC	113	%	70-130
MSM3004-BS	108-88-3	Toluene	BSP	REC	106	%	70-130
MSM3004-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	101	%	70-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

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Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3004-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	100	%	70-130
MSM3004-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	113	%	70-130
MSM3004-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	109	%	70-130
MSM3004-BS	79-01-6	Trichloroethene	BSP	REC	103	%	70-130
MSM3004-BS	75-69-4	Trichlorofluoromethane	BSP	REC	112	%	70-130
MSM3004-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	103	%	70-130
MSM3004-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	111	%	70-130
MSM3004-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	110	%	70-130
MSM3004-BS	75-01-4	Vinyl chloride	BSP	REC	113	%	70-130
MSM3004-BS		m,p-Xylene	BSP	REC	100	%	70-130
MSM3004-BS	95-47-6	o-Xylene	BSP	REC	105	%	70-130
MSM3004-BS	1330-20-7	Xylene (total)	BSP	REC	102	%	70-130
MSM3004-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	111	%	70-130
MSM3004-BS	2637-26-5	Toluene-D8	BSP	SURR	105	%	70-130
MSM3004-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	99	%	70-130
MSM3004-BS	67-64-1	Acetone	BSD	REC	120	%	70-130
MSM3004-BS	67-64-1	Acetone	BSD	RPD	14	%	20
MSM3004-BS	71-43-2	Benzene	BSD	REC	107	%	70-130
MSM3004-BS	71-43-2	Benzene	BSD	RPD	1	%	20
MSM3004-BS	108-86-1	Bromobenzene	BSD	REC	98	%	70-130
MSM3004-BS	108-86-1	Bromobenzene	BSD	RPD	4	%	20
MSM3004-BS	74-97-5	Bromochloromethane	BSD	REC	105	%	70-130
MSM3004-BS	74-97-5	Bromochloromethane	BSD	RPD	2	%	20
MSM3004-BS	75-27-4	Bromodichloromethane	BSD	REC	109	%	70-130
MSM3004-BS	75-27-4	Bromodichloromethane	BSD	RPD	1	%	20
MSM3004-BS	75-25-2	Bromoform	BSD	REC	99	%	70-130
MSM3004-BS	75-25-2	Bromoform	BSD	RPD	1	%	20
MSM3004-BS	74-83-9	Bromomethane	BSD	REC	92	%	70-130
MSM3004-BS	74-83-9	Bromomethane	BSD	RPD	2	%	20
MSM3004-BS	78-93-3	2-Butanone (MEK)	BSD	REC	121	%	70-130
MSM3004-BS	78-93-3	2-Butanone (MEK)	BSD	RPD	17	%	20
MSM3004-BS	104-51-8	n-Butylbenzene	BSD	REC	118	%	70-130
MSM3004-BS	104-51-8	n-Butylbenzene	BSD	RPD	2	%	20
MSM3004-BS	135-98-8	sec-Butylbenzene	BSD	REC	112	%	70-130
MSM3004-BS	135-98-8	sec-Butylbenzene	BSD	RPD	3	%	20
MSM3004-BS	98-06-6	tert-Butylbenzene	BSD	REC	92	%	70-130
MSM3004-BS	98-06-6	tert-Butylbenzene	BSD	RPD	1	%	20
MSM3004-BS	75-15-0	Carbon disulfide	BSD	REC	97	%	70-130
MSM3004-BS	75-15-0	Carbon disulfide	BSD	RPD	6	%	20
MSM3004-BS	56-23-5	Carbon tetrachloride	BSD	REC	103	%	70-130
MSM3004-BS	56-23-5	Carbon tetrachloride	BSD	RPD	5	%	20
MSM3004-BS	108-90-7	Chlorobenzene	BSD	REC	94	%	70-130
MSM3004-BS	108-90-7	Chlorobenzene	BSD	RPD	3	%	20
MSM3004-BS	75-00-3	Chloroethane	BSD	REC	93	%	70-130
MSM3004-BS	75-00-3	Chloroethane	BSD	RPD	6	%	20

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976 Account: EnviroTrac, Ltd. Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result	Units	Limits
MSM3004-BSD	67-66-3	Chloroform	BSD	REC 114	%	70-130
MSM3004-BSD	67-66-3	Chloroform	BSD	RPD 2	%	20
MSM3004-BSD	74-87-3	Chloromethane	BSD	REC 95	%	70-130
MSM3004-BSD	74-87-3	Chloromethane	BSD	RPD 6	%	20
MSM3004-BSD	95-49-8	o-Chlorotoluene	BSD	REC 111	%	70-130
MSM3004-BSD	95-49-8	o-Chlorotoluene	BSD	RPD 3	%	20
MSM3004-BSD	106-43-4	p-Chlorotoluene	BSD	REC 110	%	70-130
MSM3004-BSD	106-43-4	p-Chlorotoluene	BSD	RPD 4	%	20
MSM3004-BSD	108-20-3	Di-Isopropyl ether	BSD	REC 115	%	70-130
MSM3004-BSD	108-20-3	Di-Isopropyl ether	BSD	RPD 3	%	20
MSM3004-BSD	96-12-8	1,2-Dibromo-3-chloropropane	BSD	REC 105	%	70-130
MSM3004-BSD	96-12-8	1,2-Dibromo-3-chloropropane	BSD	RPD 1	%	20
MSM3004-BSD	124-48-1	Dibromochloromethane	BSD	REC 93	%	70-130
MSM3004-BSD	124-48-1	Dibromochloromethane	BSD	RPD 3	%	20
MSM3004-BSD	106-93-4	1,2-Dibromoethane	BSD	REC 94	%	70-130
MSM3004-BSD	106-93-4	1,2-Dibromoethane	BSD	RPD 3	%	20
MSM3004-BSD	95-50-1	1,2-Dichlorobenzene	BSD	REC 100	%	70-130
MSM3004-BSD	95-50-1	1,2-Dichlorobenzene	BSD	RPD 2	%	20
MSM3004-BSD	541-73-1	1,3-Dichlorobenzene	BSD	REC 101	%	70-130
MSM3004-BSD	541-73-1	1,3-Dichlorobenzene	BSD	RPD 3	%	20
MSM3004-BSD	106-46-7	1,4-Dichlorobenzene	BSD	REC 100	%	70-130
MSM3004-BSD	106-46-7	1,4-Dichlorobenzene	BSD	RPD 4	%	20
MSM3004-BSD	75-71-8	Dichlorodifluoromethane	BSD	REC 76	%	70-130
MSM3004-BSD	75-71-8	Dichlorodifluoromethane	BSD	RPD 12	%	20
MSM3004-BSD	75-34-3	1,1-Dichloroethane	BSD	REC 112	%	70-130
MSM3004-BSD	75-34-3	1,1-Dichloroethane	BSD	RPD 3	%	20
MSM3004-BSD	107-06-2	1,2-Dichloroethane	BSD	REC 110	%	70-130
MSM3004-BSD	107-06-2	1,2-Dichloroethane	BSD	RPD 2	%	20
MSM3004-BSD	75-35-4	1,1-Dichloroethene	BSD	REC 107	%	70-130
MSM3004-BSD	75-35-4	1,1-Dichloroethene	BSD	RPD 4	%	20
MSM3004-BSD	156-59-2	cis-1,2-Dichloroethene	BSD	REC 112	%	70-130
MSM3004-BSD	156-59-2	cis-1,2-Dichloroethene	BSD	RPD 2	%	20
MSM3004-BSD	156-60-5	trans-1,2-Dichloroethene	BSD	REC 109	%	70-130
MSM3004-BSD	156-60-5	trans-1,2-Dichloroethene	BSD	RPD 4	%	20
MSM3004-BSD	78-87-5	1,2-Dichloropropane	BSD	REC 110	%	70-130
MSM3004-BSD	78-87-5	1,2-Dichloropropane	BSD	RPD 0	%	20
MSM3004-BSD	142-28-9	1,3-Dichloropropane	BSD	REC 103	%	70-130
MSM3004-BSD	142-28-9	1,3-Dichloropropane	BSD	RPD 2	%	20
MSM3004-BSD	594-20-7	2,2-Dichloropropane	BSD	REC 108	%	70-130
MSM3004-BSD	594-20-7	2,2-Dichloropropane	BSD	RPD 4	%	20
MSM3004-BSD	563-58-6	1,1-Dichloropropene	BSD	REC 112	%	70-130
MSM3004-BSD	563-58-6	1,1-Dichloropropene	BSD	RPD 2	%	20
MSM3004-BSD	10061-01-5	cis-1,3-Dichloropropene	BSD	REC 112	%	70-130
MSM3004-BSD	10061-01-5	cis-1,3-Dichloropropene	BSD	RPD 3	%	20
MSM3004-BSD	10061-02-6	trans-1,3-Dichloropropene	BSD	REC 116	%	70-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976 Account: EnviroTrac, Ltd. Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result	Units	Limits
MSM3004-BSD	10061-02-6	trans-1,3-Dichloropropene	BSD	RPD 4	%	20
MSM3004-BSD	123-91-1	1,4-Dioxane	BSD	REC 95	%	70-130
MSM3004-BSD	123-91-1	1,4-Dioxane	BSD	RPD 1	%	20
MSM3004-BSD	60-29-7	Ethyl Ether	BSD	REC 113	%	70-130
MSM3004-BSD	60-29-7	Ethyl Ether	BSD	RPD 2	%	20
MSM3004-BSD	100-41-4	Ethylbenzene	BSD	REC 103	%	70-130
MSM3004-BSD	100-41-4	Ethylbenzene	BSD	RPD 3	%	20
MSM3004-BSD	87-68-3	Hexachlorobutadiene	BSD	REC 104	%	70-130
MSM3004-BSD	87-68-3	Hexachlorobutadiene	BSD	RPD 1	%	20
MSM3004-BSD	591-78-6	2-Hexanone	BSD	REC 99	%	70-130
MSM3004-BSD	591-78-6	2-Hexanone	BSD	RPD 6	%	20
MSM3004-BSD	98-82-8	Isopropylbenzene	BSD	REC 110	%	70-130
MSM3004-BSD	98-82-8	Isopropylbenzene	BSD	RPD 3	%	20
MSM3004-BSD	99-87-6	p-Isopropyltoluene	BSD	REC 111	%	70-130
MSM3004-BSD	99-87-6	p-Isopropyltoluene	BSD	RPD 2	%	20
MSM3004-BSD	1634-04-4	Methyl Tert Butyl Ether	BSD	REC 113	%	70-130
MSM3004-BSD	1634-04-4	Methyl Tert Butyl Ether	BSD	RPD 3	%	20
MSM3004-BSD	108-10-1	4-Methyl-2-pentanone (MIBK)	BSD	REC 110	%	70-130
MSM3004-BSD	108-10-1	4-Methyl-2-pentanone (MIBK)	BSD	RPD 4	%	20
MSM3004-BSD	74-95-3	Methylene bromide	BSD	REC 107	%	70-130
MSM3004-BSD	74-95-3	Methylene bromide	BSD	RPD 2	%	20
MSM3004-BSD	75-09-2	Methylene chloride	BSD	REC 107	%	70-130
MSM3004-BSD	75-09-2	Methylene chloride	BSD	RPD 5	%	20
MSM3004-BSD	91-20-3	Naphthalene	BSD	REC 104	%	70-130
MSM3004-BSD	91-20-3	Naphthalene	BSD	RPD 0	%	20
MSM3004-BSD	103-65-1	n-Propylbenzene	BSD	REC 113	%	70-130
MSM3004-BSD	103-65-1	n-Propylbenzene	BSD	RPD 3	%	20
MSM3004-BSD	100-42-5	Styrene	BSD	REC 108	%	70-130
MSM3004-BSD	100-42-5	Styrene	BSD	RPD 2	%	20
MSM3004-BSD	994-05-8	tert-Amyl Methyl Ether	BSD	REC 112	%	70-130
MSM3004-BSD	994-05-8	tert-Amyl Methyl Ether	BSD	RPD 3	%	20
MSM3004-BSD	637-92-3	tert-Butyl Ethyl Ether	BSD	REC 113	%	70-130
MSM3004-BSD	637-92-3	tert-Butyl Ethyl Ether	BSD	RPD 1	%	20
MSM3004-BSD	630-20-6	1,1,1,2-Tetrachloroethane	BSD	REC 92	%	70-130
MSM3004-BSD	630-20-6	1,1,1,2-Tetrachloroethane	BSD	RPD 0	%	20
MSM3004-BSD	79-34-5	1,1,2,2-Tetrachloroethane	BSD	REC 105	%	70-130
MSM3004-BSD	79-34-5	1,1,2,2-Tetrachloroethane	BSD	RPD 3	%	20
MSM3004-BSD	127-18-4	Tetrachloroethene	BSD	REC 92	%	70-130
MSM3004-BSD	127-18-4	Tetrachloroethene	BSD	RPD 3	%	20
MSM3004-BSD	109-99-9	Tetrahydrofuran	BSD	REC 112	%	70-130
MSM3004-BSD	109-99-9	Tetrahydrofuran	BSD	RPD 1	%	20
MSM3004-BSD	108-88-3	Toluene	BSD	REC 108	%	70-130
MSM3004-BSD	108-88-3	Toluene	BSD	RPD 1	%	20
MSM3004-BSD	87-61-6	1,2,3-Trichlorobenzene	BSD	REC 100	%	70-130
MSM3004-BSD	87-61-6	1,2,3-Trichlorobenzene	BSD	RPD 2	%	20

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

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Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result	Units	Limits
MSM3004-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	REC 100	%	70-130
MSM3004-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	RPD 1	%	20
MSM3004-BSD	71-55-6	1,1,1-Trichloroethane	BSD	REC 108	%	70-130
MSM3004-BSD	71-55-6	1,1,1-Trichloroethane	BSD	RPD 5	%	20
MSM3004-BSD	79-00-5	1,1,2-Trichloroethane	BSD	REC 110	%	70-130
MSM3004-BSD	79-00-5	1,1,2-Trichloroethane	BSD	RPD 1	%	20
MSM3004-BSD	79-01-6	Trichloroethene	BSD	REC 103	%	70-130
MSM3004-BSD	79-01-6	Trichloroethene	BSD	RPD 0	%	20
MSM3004-BSD	75-69-4	Trichlorofluoromethane	BSD	REC 105	%	70-130
MSM3004-BSD	75-69-4	Trichlorofluoromethane	BSD	RPD 7	%	20
MSM3004-BSD	96-18-4	1,2,3-Trichloropropane	BSD	REC 107	%	70-130
MSM3004-BSD	96-18-4	1,2,3-Trichloropropane	BSD	RPD 4	%	20
MSM3004-BSD	95-63-6	1,2,4-Trimethylbenzene	BSD	REC 113	%	70-130
MSM3004-BSD	95-63-6	1,2,4-Trimethylbenzene	BSD	RPD 2	%	20
MSM3004-BSD	108-67-8	1,3,5-Trimethylbenzene	BSD	REC 113	%	70-130
MSM3004-BSD	108-67-8	1,3,5-Trimethylbenzene	BSD	RPD 3	%	20
MSM3004-BSD	75-01-4	Vinyl chloride	BSD	REC 105	%	70-130
MSM3004-BSD	75-01-4	Vinyl chloride	BSD	RPD 8	%	20
MSM3004-BSD	75-01-4	Vinyl chloride	BSD	REC 104	%	70-130
MSM3004-BSD		m,p-Xylene	BSD	RPD 4	%	20
MSM3004-BSD	95-47-6	m,p-Xylene	BSD	REC 106	%	70-130
MSM3004-BSD	95-47-6	o-Xylene	BSD	RPD 1	%	20
MSM3004-BSD	1330-20-7	Xylene (total)	BSD	REC 105	%	70-130
MSM3004-BSD	1330-20-7	Xylene (total)	BSD	RPD 3	%	20
MSM3004-BSD	1868-53-7	Dibromofluoromethane	BSD	SURR 107	%	70-130
MSM3004-BSD	2037-26-5	Toluene-D8	BSD	SURR 104	%	70-130
MSM3004-BSD	460-00-4	4-Bromofluorobenzene	BSD	SURR 103	%	70-130
MSM3004-MB	1868-53-7	Dibromofluoromethane	MB	SURR 136	%	70-130
MSM3004-MB	2037-26-5	Toluene-D8	MB	SURR 107	%	70-130
MSM3004-MB	460-00-4	4-Bromofluorobenzene	MB	SURR 102	%	70-130
MC49976-64	1868-53-7	Dibromofluoromethane	SAMP	SURR 167 ^c	%	70-130
MC49976-64	1868-53-7	Dibromofluoromethane	SAMP	SURR 171 ^c	%	70-130
MC49976-64	2037-26-5	Toluene-D8	SAMP	SURR 113	%	70-130
MC49976-64	2037-26-5	Toluene-D8	SAMP	SURR 113	%	70-130
MC49976-64	460-00-4	4-Bromofluorobenzene	SAMP	SURR 168 ^c	%	70-130
MC49976-64	460-00-4	4-Bromofluorobenzene	SAMP	SURR 168 ^c	%	70-130
MC49976-68	1868-53-7	Dibromofluoromethane	SAMP	SURR 156 ^c	%	70-130
MC49976-68	1868-53-7	Dibromofluoromethane	SAMP	SURR 165 ^c	%	70-130
MC49976-68	2037-26-5	Toluene-D8	SAMP	SURR 112	%	70-130
MC49976-68	2037-26-5	Toluene-D8	SAMP	SURR 109	%	70-130
MC49976-68	460-00-4	4-Bromofluorobenzene	SAMP	SURR 116	%	70-130
MC49976-68	460-00-4	4-Bromofluorobenzene	SAMP	SURR 128	%	70-130
MC49976-76	1868-53-7	Dibromofluoromethane	SAMP	SURR 157 ^c	%	70-130
MC49976-76	1868-53-7	Dibromofluoromethane	SAMP	SURR 156 ^c	%	70-130
MC49976-76	2037-26-5	Toluene-D8	SAMP	SURR 111	%	70-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

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Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result	Units	Limits
MC49976-76	2037-26-5	Toluene-D8	SAMP	SURR 112	%	70-130
MC49976-76	460-00-4	4-Bromofluorobenzene	SAMP	SURR 103	%	70-130
MC49976-76	460-00-4	4-Bromofluorobenzene	SAMP	SURR 103	%	70-130
MSM3005	SW846 8260C					
MSM3005-BS	67-64-1	Acetone	BSP	REC 143	%	70-130
MSM3005-BS	71-43-2	Benzene	BSP	REC 112	%	70-130
MSM3005-BS	108-86-1	Bromobenzene	BSP	REC 103	%	70-130
MSM3005-BS	74-97-5	Bromochloromethane	BSP	REC 109	%	70-130
MSM3005-BS	75-27-4	Bromodichloromethane	BSP	REC 115	%	70-130
MSM3005-BS	75-25-2	Bromoform	BSP	REC 98	%	70-130
MSM3005-BS	74-83-9	Bromomethane	BSP	REC 105	%	70-130
MSM3005-BS	78-93-3	2-Butanone (MEK)	BSP	REC 148	%	70-130
MSM3005-BS	104-51-8	n-Butylbenzene	BSP	REC 124	%	70-130
MSM3005-BS	135-98-8	sec-Butylbenzene	BSP	REC 116	%	70-130
MSM3005-BS	98-06-6	tert-Butylbenzene	BSP	REC 114	%	70-130
MSM3005-BS	75-15-0	Carbon disulfide	BSP	REC 96	%	70-130
MSM3005-BS	56-23-5	Carbon tetrachloride	BSP	REC 109	%	70-130
MSM3005-BS	108-90-7	Chlorobenzene	BSP	REC 97	%	70-130
MSM3005-BS	75-00-3	Chloroethane	BSP	REC 107	%	70-130
MSM3005-BS	67-66-3	Chloroform	BSP	REC 119	%	70-130
MSM3005-BS	74-87-3	Chloromethane	BSP	REC 92	%	70-130
MSM3005-BS	95-49-8	o-Chlorotoluene	BSP	REC 117	%	70-130
MSM3005-BS	106-43-4	p-Chlorotoluene	BSP	REC 115	%	70-130
MSM3005-BS	108-20-3	Di-Isopropyl ether	BSP	REC 119	%	70-130
MSM3005-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC 103	%	70-130
MSM3005-BS	124-48-1	Dibromochloromethane	BSP	REC 93	%	70-130
MSM3005-BS	106-93-4	1,2-Dibromoethane	BSP	REC 93	%	70-130
MSM3005-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC 105	%	70-130
MSM3005-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC 107	%	70-130
MSM3005-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC 104	%	70-130
MSM3005-BS	75-71-8	Dichlorodifluoromethane	BSP	REC 66	%	70-130
MSM3005-BS	75-34-3	1,1-Dichloroethane	BSP	REC 119	%	70-130
MSM3005-BS	107-06-2	1,2-Dichloroethane	BSP	REC 115	%	70-130
MSM3005-BS	75-35-4	1,1-Dichloroethene	BSP	REC 108	%	70-130
MSM3005-BS	156-59-2	cis-1,2-Dichloroethene	BSP	REC 115	%	70-130
MSM3005-BS	78-87-5	trans-1,2-Dichloroethene	BSP	REC 114	%	70-130
MSM3005-BS	142-28-9	1,2-Dichloropropane	BSP	REC 103	%	70-130
MSM3005-BS	594-20-7	2,2-Dichloropropane	BSP	REC 120	%	70-130
MSM3005-BS	563-58-6	1,1-Dichloropropene	BSP	REC 117	%	70-130
MSM3005-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC 116	%	70-130
MSM3005-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC 121	%	70-130
MSM3005-BS	123-91-1	1,4-Dioxane	BSP	REC 107	%	70-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result	Units	Limits
MSM3005-BS	60-29-7	Ethyl Ether	BSP	REC 115	%	70-130
MSM3005-BS	100-41-4	Ethylbenzene	BSP	REC 107	%	70-130
MSM3005-BS	87-68-3	Hexachlorobutadiene	BSP	REC 111	%	70-130
MSM3005-BS	591-78-6	2-Hexanone	BSP	REC 105	%	70-130
MSM3005-BS	98-82-8	Isopropylbenzene	BSP	REC 114	%	70-130
MSM3005-BS	99-87-6	p-Isopropyltoluene	BSP	REC 116	%	70-130
MSM3005-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC 116	%	70-130
MSM3005-BS	108-10-1	4 Methyl 2-pentanone (MIBK)	BSP	REC 111	%	70-130
MSM3005-BS	74-95-3	Methylene bromide	BSP	REC 110	%	70-130
MSM3005-BS	75-09-2	Methylene chloride	BSP	REC 112	%	70-130
MSM3005-BS	91-20-3	Naphthalene	BSP	REC 105	%	70-130
MSM3005-BS	103-65-1	n-Propylbenzene	BSP	REC 118	%	70-130
MSM3005-BS	100-42-5	Styrene	BSP	REC 112	%	70-130
MSM3005-BS	994-05-8	tert-Amyl Methyl Ether	BSP	REC 117	%	70-130
MSM3005-BS	637-92-3	tert-Butyl Ethyl Ether	BSP	REC 117	%	70-130
MSM3005-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC 97	%	70-130
MSM3005-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC 105	%	70-130
MSM3005-BS	127-18-4	Tetrachloroethene	BSP	REC 95	%	70-130
MSM3005-BS	109-99-9	Tetrahydrofuran	BSP	REC 111	%	70-130
MSM3005-BS	108-88-3	Toluene	BSP	REC 113	%	70-130
MSM3005-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC 105	%	70-130
MSM3005-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC 105	%	70-130
MSM3005-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC 116	%	70-130
MSM3005-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC 113	%	70-130
MSM3005-BS	79-01-6	Trichloroethene	BSP	REC 107	%	70-130
MSM3005-BS	75-69-4	Trichlorofluoromethane	BSP	REC 107	%	70-130
MSM3005-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC 109	%	70-130
MSM3005-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC 119	%	70-130
MSM3005-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC 117	%	70-130
MSM3005-BS	75-01-4	Vinyl chloride	BSP	REC 103	%	70-130
MSM3005-BS		m-p-Xylene	BSP	REC 107	%	70-130
MSM3005-BS	95-47-6	o-Xylene	BSP	REC 110	%	70-130
MSM3005-BS	1330-20-7	Xylene (total)	BSP	REC 108	%	70-130
MSM3005-BS	1868-53-7	Dibromofluoromethane	BSP	SURR 107	%	70-130
MSM3005-BS	2037-26-5	Toluene-D8	BSP	SURR 104	%	70-130
MSM3005-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR 100	%	70-130
MSM3005-BSD	67-64-1	Acetone	BSD	REC 149	%	70-130
MSM3005-BSD	67-64-1	Acetone	BSD	RPD 4	%	20
MSM3005-BSD	71-43-2	Benzene	BSD	REC 95	%	70-130
MSM3005-BSD	71-43-2	Benzene	BSD	RPD 16	%	20
MSM3005-BSD	108-86-1	Bromobenzene	BSD	REC 86	%	70-130
MSM3005-BSD	108-86-1	Bromobenzene	BSD	RPD 18	%	20
MSM3005-BSD	74-97-5	Bromochloromethane	BSD	REC 93	%	70-130
MSM3005-BSD	74-97-5	Bromochloromethane	BSD	RPD 16	%	20
MSM3005-BSD	75-27-4	Bromodichloromethane	BSD	REC 97	%	70-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result	Units	Limits
MSM3005-BSD	75-27-4	Bromodichloromethane	BSD	RPD 17	%	20
MSM3005-BSD	75-25-2	Bromoform	BSD	REC 85	%	70-130
MSM3005-BSD	75-25-2	Bromoform	BSD	RPD 14	%	20
MSM3005-BSD	74-83-9	Bromomethane	BSD	REC 77	%	70-130
MSM3005-BSD	74-83-9	Bromomethane	BSD	RPD 31 ^d	%	20
MSM3005-BSD	78-93-3	2-Butanone (MEK)	BSD	REC 149	%	70-130
MSM3005-BSD	78-93-3	2-Butanone (MEK)	BSD	RPD 0	%	20
MSM3005-BSD	104-51-8	n-Butylbenzene	BSD	REC 107	%	70-130
MSM3005-BSD	104-51-8	n-Butylbenzene	BSD	RPD 15	%	20
MSM3005-BSD	135-98-8	sec-Butylbenzene	BSD	REC 99	%	70-130
MSM3005-BSD	135-98-8	sec-Butylbenzene	BSD	RPD 16	%	20
MSM3005-BSD	98-06-6	tert-Butylbenzene	BSD	REC 96	%	70-130
MSM3005-BSD	98-06-6	tert-Butylbenzene	BSD	RPD 17	%	20
MSM3005-BSD	75-15-0	Carbon disulfide	BSD	REC 81	%	70-130
MSM3005-BSD	75-15-0	Carbon disulfide	BSD	RPD 18	%	20
MSM3005-BSD	56-23-5	Carbon tetrachloride	BSD	REC 93	%	70-130
MSM3005-BSD	56-23-5	Carbon tetrachloride	BSD	RPD 16	%	20
MSM3005-BSD	108-90-7	Chlorobenzene	BSD	REC 83	%	70-130
MSM3005-BSD	108-90-7	Chlorobenzene	BSD	RPD 15	%	20
MSM3005-BSD	75-00-3	Chloroethane	BSD	REC 90	%	70-130
MSM3005-BSD	75-00-3	Chloroethane	BSD	RPD 18	%	20
MSM3005-BSD	67-66-3	Chloroform	BSD	REC 101	%	70-130
MSM3005-BSD	67-66-3	Chloroform	BSD	RPD 17	%	20
MSM3005-BSD	74-87-3	Chloromethane	BSD	REC 71	%	70-130
MSM3005-BSD	74-87-3	Chloromethane	BSD	RPD 25	%	20
MSM3005-BSD	95-49-8	o-Chlorotoluene	BSD	REC 99	%	70-130
MSM3005-BSD	95-49-8	o-Chlorotoluene	BSD	RPD 17	%	20
MSM3005-BSD	106-43-4	p-Chlorotoluene	BSD	REC 99	%	70-130
MSM3005-BSD	106-43-4	p-Chlorotoluene	BSD	RPD 16	%	20
MSM3005-BSD	108-20-3	Di-Isopropyl ether	BSD	REC 100	%	70-130
MSM3005-BSD	108-20-3	Di-Isopropyl ether	BSD	RPD 17	%	20
MSM3005-BSD	96-12-8	1,2-Dibromo-3-chloropropane	BSD	REC 91	%	70-130
MSM3005-BSD	96-12-8	1,2-Dibromo-3-chloropropane	BSD	RPD 12	%	20
MSM3005-BSD	124-48-1	Dibromochloromethane	BSD	REC 80	%	70-130
MSM3005-BSD	124-48-1	Dibromochloromethane	BSD	RPD 15	%	20
MSM3005-BSD	106-93-4	1,2-Dibromoethane	BSD	REC 82	%	70-130
MSM3005-BSD	106-93-4	1,2-Dibromoethane	BSD	RPD 12	%	20
MSM3005-BSD	95-50-1	1,2-Dichlorobenzene	BSD	REC 89	%	70-130
MSM3005-BSD	95-50-1	1,2-Dichlorobenzene	BSD	RPD 16	%	20
MSM3005-BSD	541-73-1	1,3-Dichlorobenzene	BSD	REC 92	%	70-130
MSM3005-BSD	541-73-1	1,3-Dichlorobenzene	BSD	RPD 15	%	20
MSM3005-BSD	106-46-7	1,4-Dichlorobenzene	BSD	REC 90	%	70-130
MSM3005-BSD	106-46-7	1,4-Dichlorobenzene	BSD	RPD 14	%	20
MSM3005-BSD	75-71-8	Dichlorodifluoromethane	BSD	REC 48	%	70-130
MSM3005-BSD	75-71-8	Dichlorodifluoromethane	BSD	RPD 32 ^d	%	20

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3005-BSD	75-34-3	1,1-Dichloroethane	BSD	REC	100	%	70-130
MSM3005-BSD	75-34-3	1,1-Dichloroethane	BSD	RPD	17	%	20
MSM3005-BSD	107-06-2	1,2-Dichloroethane	BSD	REC	97	%	70-130
MSM3005-BSD	107-06-2	1,2-Dichloroethane	BSD	RPD	17	%	20
MSM3005-BSD	75-35-4	1,1-Dichloroethene	BSD	REC	92	%	70-130
MSM3005-BSD	75-35-4	1,1-Dichloroethene	BSD	RPD	16	%	20
MSM3005-BSD	156-59-2	cis-1,2-Dichloroethene	BSD	REC	98	%	70-130
MSM3005-BSD	156-59-2	cis-1,2-Dichloroethene	BSD	RPD	17	%	20
MSM3005-BSD	156-60-5	trans-1,2-Dichloroethene	BSD	REC	97	%	70-130
MSM3005-BSD	156-60-5	trans-1,2-Dichloroethene	BSD	RPD	16	%	20
MSM3005-BSD	78-87-5	1,2-Dichloropropane	BSD	REC	96	%	70-130
MSM3005-BSD	78-87-5	1,2-Dichloropropane	BSD	RPD	17	%	20
MSM3005-BSD	142-28-9	1,3-Dichloropropane	BSD	REC	89	%	70-130
MSM3005-BSD	142-28-9	1,3-Dichloropropane	BSD	RPD	15	%	20
MSM3005-BSD	594-20-7	2,2-Dichloropropane	BSD	REC	103	%	70-130
MSM3005-BSD	594-20-7	2,2-Dichloropropane	BSD	RPD	15	%	20
MSM3005-BSD	563-58-6	1,1-Dichloropropene	BSD	REC	100	%	70-130
MSM3005-BSD	563-58-6	1,1-Dichloropropene	BSD	RPD	15	%	20
MSM3005-BSD	10061-01-5	cis-1,3-Dichloropropene	BSD	REC	99	%	70-130
MSM3005-BSD	10061-01-5	cis-1,3-Dichloropropene	BSD	RPD	16	%	20
MSM3005-BSD	10061-02-6	trans-1,3-Dichloropropene	BSD	REC	101	%	70-130
MSM3005-BSD	10061-02-6	trans-1,3-Dichloropropene	BSD	RPD	17	%	20
MSM3005-BSD	123-91-1	1,4-Dioxane	BSD	REC	101	%	70-130
MSM3005-BSD	123-91-1	1,4-Dioxane	BSD	RPD	6	%	20
MSM3005-BSD	60-29-7	Ethyl Ether	BSD	REC	99	%	70-130
MSM3005-BSD	60-29-7	Ethyl Ether	BSD	RPD	15	%	20
MSM3005-BSD	100-41-4	Ethylbenzene	BSD	REC	91	%	70-130
MSM3005-BSD	100-41-4	Ethylbenzene	BSD	RPD	16	%	20
MSM3005-BSD	87-68-3	Hexachlorobutadiene	BSD	REC	96	%	70-130
MSM3005-BSD	87-68-3	Hexachlorobutadiene	BSD	RPD	15	%	20
MSM3005-BSD	591-78-6	2-Hexanone	BSD	REC	106	%	70-130
MSM3005-BSD	591-78-6	2-Hexanone	BSD	RPD	1	%	20
MSM3005-BSD	98-82-8	Isopropylbenzene	BSD	REC	96	%	70-130
MSM3005-BSD	98-82-8	Isopropylbenzene	BSD	RPD	17	%	20
MSM3005-BSD	99-87-6	p-Isopropyltoluene	BSD	REC	99	%	70-130
MSM3005-BSD	99-87-6	p-Isopropyltoluene	BSD	RPD	16	%	20
MSM3005-BSD	1634-04-4	Methyl Tert Butyl Ether	BSD	REC	99	%	70-130
MSM3005-BSD	1634-04-4	Methyl Tert Butyl Ether	BSD	RPD	15	%	20
MSM3005-BSD	108-10-1	4-Methyl-2-pentanone (MIBK)	BSD	REC	100	%	70-130
MSM3005-BSD	108-10-1	4-Methyl-2-pentanone (MIBK)	BSD	RPD	11	%	20
MSM3005-BSD	74-95-3	Methylene bromide	BSD	REC	95	%	70-130
MSM3005-BSD	74-95-3	Methylene bromide	BSD	RPD	15	%	20
MSM3005-BSD	75-09-2	Methylene chloride	BSD	REC	97	%	70-130
MSM3005-BSD	75-09-2	Methylene chloride	BSD	RPD	15	%	20
MSM3005-BSD	91-20-3	Naphthalene	BSD	REC	92	%	70-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3005-BSD	91-20-3	Naphthalene	BSD	RPD	13	%	20
MSM3005-BSD	103-65-1	n-Propylbenzene	BSD	REC	101	%	70-130
MSM3005-BSD	103-65-1	n-Propylbenzene	BSD	RPD	15	%	20
MSM3005-BSD	100-42-5	Styrene	BSD	REC	95	%	70-130
MSM3005-BSD	100-42-5	Styrene	BSD	RPD	16	%	20
MSM3005-BSD	994-05-8	tert-Amyl Methyl Ether	BSD	REC	100	%	70-130
MSM3005-BSD	994-05-8	tert-Amyl Methyl Ether	BSD	RPD	15	%	20
MSM3005-BSD	637-92-3	tert-Butyl Ethyl Ether	BSD	REC	99	%	70-130
MSM3005-BSD	637-92-3	tert-Butyl Ethyl Ether	BSD	RPD	17	%	20
MSM3005-BSD	630-20-6	1,1,1,2-Tetrachloroethane	BSD	REC	82	%	70-130
MSM3005-BSD	630-20-6	1,1,1,2-Tetrachloroethane	BSD	RPD	17	%	20
MSM3005-BSD	79-34-5	1,1,2,2-Tetrachloroethane	BSD	REC	91	%	70-130
MSM3005-BSD	79-34-5	1,1,2,2-Tetrachloroethane	BSD	RPD	14	%	20
MSM3005-BSD	127-18-4	Tetrachloroethene	BSD	REC	82	%	70-130
MSM3005-BSD	127-18-4	Tetrachloroethene	BSD	RPD	14	%	20
MSM3005-BSD	109-99-9	Tetrahydrofuran	BSD	REC	99	%	70-130
MSM3005-BSD	109-99-9	Tetrahydrofuran	BSD	RPD	11	%	20
MSM3005-BSD	108-88-3	Toluene	BSD	REC	96	%	70-130
MSM3005-BSD	108-88-3	Toluene	BSD	RPD	16	%	20
MSM3005-BSD	87-61-6	1,2,3-Trichlorobenzene	BSD	REC	91	%	70-130
MSM3005-BSD	87-61-6	1,2,3-Trichlorobenzene	BSD	RPD	14	%	20
MSM3005-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	REC	92	%	70-130
MSM3005-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	RPD	13	%	20
MSM3005-BSD	71-55-6	1,1,1-Trichloroethane	BSD	REC	98	%	70-130
MSM3005-BSD	71-55-6	1,1,1-Trichloroethane	BSD	RPD	17	%	20
MSM3005-BSD	79-00-5	1,1,2-Trichloroethane	BSD	REC	96	%	70-130
MSM3005-BSD	79-00-5	1,1,2-Trichloroethane	BSD	RPD	16	%	20
MSM3005-BSD	79-01-6	Trichloroethene	BSD	REC	92	%	70-130
MSM3005-BSD	79-01-6	Trichloroethene	BSD	RPD	16	%	20
MSM3005-BSD	75-69-4	Trichlorofluoromethane	BSD	REC	90	%	70-130
MSM3005-BSD	75-69-4	Trichlorofluoromethane	BSD	RPD	18	%	20
MSM3005-BSD	96-18-4	1,2,3-Trichloropropane	BSD	REC	93	%	70-130
MSM3005-BSD	96-18-4	1,2,3-Trichloropropane	BSD	RPD	16	%	20
MSM3005-BSD	95-63-6	1,2,4-Trimethylbenzene	BSD	REC	100	%	70-130
MSM3005-BSD	95-63-6	1,2,4-Trimethylbenzene	BSD	RPD	17	%	20
MSM3005-BSD	108-67-8	1,3,5-Trimethylbenzene	BSD	REC	99	%	70-130
MSM3005-BSD	108-67-8	1,3,5-Trimethylbenzene	BSD	RPD	17	%	20
MSM3005-BSD	75-01-4	Vinyl chloride	BSD	REC	83	%	70-130
MSM3005-BSD	75-01-4	Vinyl chloride	BSD	RPD	21	%	20
MSM3005-BSD		m,p-Xylene	BSD	REC	92	%	70-130
MSM3005-BSD		m,p-Xylene	BSD	RPD	15	%	20
MSM3005-BSD	95-47-6	o-Xylene	BSD	REC	93	%	70-130
MSM3005-BSD	95-47-6	o-Xylene	BSD	RPD	16	%	20
MSM3005-BSD	1330-20-7	Xylene (total)	BSD	REC	93	%	70-130
MSM3005-BSD	1330-20-7	Xylene (total)	BSD	RPD	15	%	20

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3005 BSD	1868-53-7	Dibromofluoromethane	BSD	SURR	107	%	70-130
MSM3005 BSD	2037-26-5	Toluene-D8	BSD	SURR	104	%	70-130
MSM3005 BSD	460-00-4	4-Bromofluorobenzene	BSD	SURR	102	%	70-130
MSM3005 MB	1868-53-7	Dibromofluoromethane	MB	SURR	138	%	70-130
MSM3005 MB	2037-26-5	Toluene-D8	MB	SURR	108	%	70-130
MSM3005 MB	460-00-4	4-Bromofluorobenzene	MB	SURR	100	%	70-130
MC49976 24	1868-53-7	Dibromofluoromethane	SAMP	SURR	141	%	70-130
MC49976 24	2037-26-5	Toluene-D8	SAMP	SURR	108	%	70-130
MC49976 24	460-00-4	4-Bromofluorobenzene	SAMP	SURR	102	%	70-130
MSM3006	SW846 8260C						
MSM3006 BS	67-64-1	Acetone	BSP	REC	133	%	70-130
MSM3006 BS	71-43-2	Benzene	BSP	REC	101	%	70-130
MSM3006 BS	108-86-1	Bromobenzene	BSP	REC	102	%	70-130
MSM3006 BS	74-97-5	Bromochloromethane	BSP	REC	103	%	70-130
MSM3006 BS	75-27-4	Bromodichloromethane	BSP	REC	98	%	70-130
MSM3006 BS	75-25-2	Bromoform	BSP	REC	110	%	70-130
MSM3006 BS	74-83-9	Bromomethane	BSP	REC	98	%	70-130
MSM3006 BS	78-93-3	2-Butanone (MEK)	BSP	REC	139	%	70-130
MSM3006 BS	104-51-8	n-Butylbenzene	BSP	REC	110	%	70-130
MSM3006 BS	135-98-8	sec-Butylbenzene	BSP	REC	106	%	70-130
MSM3006 BS	98-06-6	tert-Butylbenzene	BSP	REC	93	%	70-130
MSM3006 BS	75-15-0	Carbon disulfide	BSP	REC	101	%	70-130
MSM3006 BS	56-23-5	Carbon tetrachloride	BSP	REC	100	%	70-130
MSM3006 BS	108-90-7	Chlorobenzene	BSP	REC	105	%	70-130
MSM3006 BS	75-00-3	Chloroethane	BSP	REC	104	%	70-130
MSM3006 BS	67-66-3	Chloroform	BSP	REC	95	%	70-130
MSM3006 BS	74-87-3	Chloromethane	BSP	REC	94	%	70-130
MSM3006 BS	95-49-8	o-Chlorotoluene	BSP	REC	102	%	70-130
MSM3006 BS	106-43-4	p-Chlorotoluene	BSP	REC	102	%	70-130
MSM3006 BS	108-20-3	Di-Isopropyl ether	BSP	REC	100	%	70-130
MSM3006 BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	99	%	70-130
MSM3006 BS	124-48-1	Dibromochloromethane	BSP	REC	107	%	70-130
MSM3006 BS	106-93-4	1,2-Dibromoethane	BSP	REC	104	%	70-130
MSM3006 BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	102	%	70-130
MSM3006 BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	105	%	70-130
MSM3006 BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	104	%	70-130
MSM3006 BS	75-71-8	Dichlorodifluoromethane	BSP	REC	104	%	70-130
MSM3006 BS	75-34-3	1,1-Dichloroethane	BSP	REC	91	%	70-130
MSM3006 BS	107-06-2	1,2-Dichloroethane	BSP	REC	99	%	70-130
MSM3006 BS	75-35-4	1,1-Dichloroethene	BSP	REC	101	%	70-130
MSM3006 BS	156-59-2	cis-1,2-Dichloroethene	BSP	REC	100	%	70-130
MSM3006 BS	156-60-5	trans-1,2-Dichloroethene	BSP	REC	100	%	70-130
MSM3006 BS	78-87-5	1,2-Dichloropropane	BSP	REC	100	%	70-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3006-BS	142-28-9	1,3-Dichloropropane	BSP	REC	100	%	70-130
MSM3006-BS	594-20-7	2,2-Dichloropropane	BSP	REC	101	%	70-130
MSM3006-BS	563-58-6	1,1-Dichloropropane	BSP	REC	102	%	70-130
MSM3006-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	102	%	70-130
MSM3006-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	105	%	70-130
MSM3006-BS	123-91-1	1,4-Dioxane	BSP	REC	129	%	70-130
MSM3006-BS	60-29-7	Ethyl Ether	BSP	REC	100	%	70-130
MSM3006-BS	100-41-4	Ethylbenzene	BSP	REC	103	%	70-130
MSM3006-BS	87-68-3	Hexachlorobutadiene	BSP	REC	107	%	70-130
MSM3006-BS	591-78-6	2-Hexanone	BSP	REC	116	%	70-130
MSM3006-BS	98-82-8	Isopropylbenzene	BSP	REC	105	%	70-130
MSM3006-BS	99-87-6	p-Isopropyltoluene	BSP	REC	109	%	70-130
MSM3006-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	97	%	70-130
MSM3006-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	106	%	70-130
MSM3006-BS	74-95-3	Methylene bromide	BSP	REC	99	%	70-130
MSM3006-BS	75-09-2	Methylene chloride	BSP	REC	98	%	70-130
MSM3006-BS	91-20-3	Naphthalene	BSP	REC	107	%	70-130
MSM3006-BS	103-65-1	n-Propylbenzene	BSP	REC	106	%	70-130
MSM3006-BS	100-42-5	Styrene	BSP	REC	107	%	70-130
MSM3006-BS	994-05-8	tert-Amyl Methyl Ether	BSP	REC	99	%	70-130
MSM3006-BS	637-92-3	tert-Butyl Ethyl Ether	BSP	REC	98	%	70-130
MSM3006-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	105	%	70-130
MSM3006-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	104	%	70-130
MSM3006-BS	127-18-4	Tetrachloroethene	BSP	REC	105	%	70-130
MSM3006-BS	109-99-9	Tetrahydrofuran	BSP	REC	105	%	70-130
MSM3006-BS	108-88-3	Toluene	BSP	REC	100	%	70-130
MSM3006-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	106	%	70-130
MSM3006-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	111	%	70-130
MSM3006-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	96	%	70-130
MSM3006-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	95	%	70-130
MSM3006-BS	79-01-6	Trichloroethene	BSP	REC	99	%	70-130
MSM3006-BS	75-69-4	Trichlorofluoromethane	BSP	REC	96	%	70-130
MSM3006-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	98	%	70-130
MSM3006-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	106	%	70-130
MSM3006-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	104	%	70-130
MSM3006-BS	75-01-4	Vinyl chloride	BSP	REC	96	%	70-130
MSM3006-BS		m,p-Xylene	BSP	REC	107	%	70-130
MSM3006-BS	95-47-6	o-Xylene	BSP	REC	105	%	70-130
MSM3006-BS	1330-20-7	Xylene (total)	BSP	REC	106	%	70-130
MSM3006-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	97	%	70-130
MSM3006-BS	2037-26-5	Toluene-D8	BSP	SURR	100	%	70-130
MSM3006-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	99	%	70-130
MSM3006-BSD	67-64-1	Acetone	BSD	RPD	120	%	70-130
MSM3006-BSD	67-64-1	Acetone	BSD	RPD	10	%	20
MSM3006-BSD	71-43-2	Benzene	BSD	REC	101	%	70-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Units	Limits
MSM3006 BSD	71 43 2	Benzene	BSD	RPD	0	%
MSM3006 BSD	108 86 1	Bromobenzene	BSD	REC	100	%
MSM3006 BSD	108 86 1	Bromobenzene	BSD	RPD	2	%
MSM3006 BSD	74 97 5	Bromochloromethane	BSD	REC	104	%
MSM3006 BSD	74 97 5	Bromochloromethane	BSD	RPD	1	%
MSM3006 BSD	75 27 4	Bromodichloromethane	BSD	REC	97	%
MSM3006 BSD	75 27 4	Bromodichloromethane	BSD	RPD	1	%
MSM3006 BSD	75 25 2	Bromofluoromethane	BSD	REC	104	%
MSM3006 BSD	75 25 2	Bromofluoromethane	BSD	RPD	5	%
MSM3006 BSD	74 83 9	Bromomethane	BSD	REC	102	%
MSM3006 BSD	74 83 9	Bromomethane	BSD	RPD	4	%
MSM3006 BSD	78 93 3	2 Butanone (MEK)	BSD	REC	132	%
MSM3006 BSD	78 93 3	2 Butanone (MEK)	BSD	RPD	5	%
MSM3006 BSD	104 51 8	n Butylbenzene	BSD	REC	106	%
MSM3006 BSD	104 51 8	n Butylbenzene	BSD	RPD	4	%
MSM3006 BSD	135 98 8	sec Butylbenzene	BSD	REC	105	%
MSM3006 BSD	135 98 8	sec Butylbenzene	BSD	RPD	1	%
MSM3006 BSD	98 06 6	tert Butylbenzene	BSD	REC	107	%
MSM3006 BSD	98 06 6	tert Butylbenzene	BSD	RPD	14	%
MSM3006 BSD	75 15 0	Carbon disulfide	BSD	REC	104	%
MSM3006 BSD	75 15 0	Carbon disulfide	BSD	RPD	3	%
MSM3006 BSD	56 23 5	Carbon tetrachloride	BSD	REC	99	%
MSM3006 BSD	56 23 5	Carbon tetrachloride	BSD	RPD	0	%
MSM3006 BSD	108 90 7	Chlorobenzene	BSD	REC	103	%
MSM3006 BSD	108 90 7	Chlorobenzene	BSD	RPD	2	%
MSM3006 BSD	75 00 3	Chloroethane	BSD	REC	109	%
MSM3006 BSD	75 00 3	Chloroethane	BSD	RPD	5	%
MSM3006 BSD	67 66 3	Chloroform	BSD	REC	95	%
MSM3006 BSD	67 66 3	Chloroform	BSD	RPD	0	%
MSM3006 BSD	74 87 3	Chloromethane	BSD	REC	99	%
MSM3006 BSD	74 87 3	Chloromethane	BSD	RPD	5	%
MSM3006 BSD	95 49 8	o Chlorotoluene	BSD	REC	101	%
MSM3006 BSD	95 49 8	o Chlorotoluene	BSD	RPD	2	%
MSM3006 BSD	106 43 4	p Chlorotoluene	BSD	REC	101	%
MSM3006 BSD	106 43 4	p Chlorotoluene	BSD	RPD	1	%
MSM3006 BSD	108 20 3	p Chlorotoluene	BSD	REC	102	%
MSM3006 BSD	108 20 3	p Chlorotoluene	BSD	RPD	2	%
MSM3006 BSD	96 12 8	Di Isopropyl ether	BSD	REC	95	%
MSM3006 BSD	96 12 8	Di Isopropyl ether	BSD	RPD	4	%
MSM3006 BSD	96 12 8	1,2 Dibromo 3 chloropropane	BSD	REC	105	%
MSM3006 BSD	124 48 1	1,2 Dibromo 3 chloropropane	BSD	RPD	2	%
MSM3006 BSD	124 48 1	Dibromochloromethane	BSD	REC	101	%
MSM3006 BSD	106 93 4	Dibromochloromethane	BSD	RPD	3	%
MSM3006 BSD	106 93 4	1,2 Dibromoethane	BSD	REC	101	%
MSM3006 BSD	95 50 1	1,2 Dichlorobenzene	BSD	RPD	1	%
MSM3006 BSD	95 50 1	1,2 Dichlorobenzene	BSD	RPD	1	%

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Units	Limits
MSM3006 BSD	541 73 1	1,3 Dichlorobenzene	BSD	REC	102	%
MSM3006 BSD	541 73 1	1,3 Dichlorobenzene	BSD	RPD	3	%
MSM3006 BSD	106 46 7	1,4 Dichlorobenzene	BSD	REC	101	%
MSM3006 BSD	106 46 7	1,4 Dichlorobenzene	BSD	RPD	3	%
MSM3006 BSD	75 71 8	Dichlorodifluoromethane	BSD	REC	95	%
MSM3006 BSD	75 71 8	Dichlorodifluoromethane	BSD	RPD	5	%
MSM3006 BSD	75 34 3	1,1-Dichloroethane	BSD	REC	100	%
MSM3006 BSD	75 34 3	1,1-Dichloroethane	BSD	RPD	2	%
MSM3006 BSD	107 06 2	1,1-Dichloroethane	BSD	REC	91	%
MSM3006 BSD	107 06 2	1,2 Dichloroethane	BSD	RPD	2	%
MSM3006 BSD	75 35 4	1,2 Dichloroethane	BSD	REC	103	%
MSM3006 BSD	75 35 4	1,1-Dichloroethane	BSD	RPD	2	%
MSM3006 BSD	156 59 2	1,1-Dichloroethane	BSD	REC	101	%
MSM3006 BSD	156 59 2	cis 1,2 Dichloroethene	BSD	RPD	1	%
MSM3006 BSD	156 60 5	cis 1,2-Dichloroethene	BSD	REC	102	%
MSM3006 BSD	156 60 5	trans 1,2 Dichloroethene	BSD	RPD	2	%
MSM3006 BSD	78 87 5	trans 1,2 Dichloroethene	BSD	REC	101	%
MSM3006 BSD	78 87 5	1,2 Dichloropropane	BSD	RPD	1	%
MSM3006 BSD	142 28 9	1,2 Dichloropropane	BSD	REC	98	%
MSM3006 BSD	142 28 9	1,3-Dichloropropane	BSD	RPD	2	%
MSM3006 BSD	594 20 7	1,3-Dichloropropane	BSD	REC	103	%
MSM3006 BSD	594 20 7	2,2 Dichloropropane	BSD	RPD	2	%
MSM3006 BSD	563 58 6	2,2 Dichloropropane	BSD	REC	101	%
MSM3006 BSD	563 58 6	1,1-Dichloropropane	BSD	RPD	1	%
MSM3006 BSD	10061 01 5	1,1-Dichloropropane	BSD	REC	101	%
MSM3006 BSD	10061 01 5	cis-1,3 Dichloropropene	BSD	RPD	1	%
MSM3006 BSD	10061 01 5	cis 1,3 Dichloropropene	BSD	REC	101	%
MSM3006 BSD	10061 02 6	trans 1,3-Dichloropropene	BSD	RPD	1	%
MSM3006 BSD	10061 02 6	trans 1,3 Dichloropropene	BSD	REC	118	%
MSM3006 BSD	123 91 1	trans 1,3 Dichloropropene	BSD	RPD	9	%
MSM3006 BSD	123 91 1	1,4 Dioxane	BSD	REC	100	%
MSM3006 BSD	60 29 7	1,4 Dioxane	BSD	RPD	0	%
MSM3006 BSD	60 29 7	Ethyl Ether	BSD	REC	102	%
MSM3006 BSD	100 41 4	Ethyl Ether	BSD	RPD	1	%
MSM3006 BSD	100 41 4	Ethylbenzene	BSD	REC	106	%
MSM3006 BSD	87 68 3	Ethylbenzene	BSD	RPD	1	%
MSM3006 BSD	87 68 3	Hexachlorobutadiene	BSD	REC	100	%
MSM3006 BSD	591 78 6	Hexachlorobutadiene	BSD	RPD	15	%
MSM3006 BSD	591 78 6	2 Hexanone	BSD	REC	104	%
MSM3006 BSD	98 82 8	2 Hexanone	BSD	RPD	1	%
MSM3006 BSD	98 82 8	Isopropylbenzene	BSD	REC	106	%
MSM3006 BSD	99 87 6	Isopropylbenzene	BSD	RPD	2	%
MSM3006 BSD	99 87 6	p Isopropyltoluene	BSD	REC	97	%
MSM3006 BSD	1634 04 4	p Isopropyltoluene	BSD	RPD	1	%
MSM3006 BSD	1634 04 4	Methyl Tert Butyl Ether	BSD	REC	96	%
MSM3006 BSD	1634 04 4	Methyl Tert Butyl Ether	BSD	RPD	96	%
MSM3006 BSD	108 10 1	4 Methyl-2-pentanone (MIBK)	BSD	REC	96	%

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

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QC Sample ID	CAS#	Analyte	Sample Type	Result	Units	Limits
MSM3006 BSD	108-10-1	4-Methyl 2-pentanone (MIBK)	BSD	10	%	20
MSM3006 BSD	74-95-3	Methylene bromide	BSD	97	%	70-130
MSM3006 BSD	74-95-3	Methylene bromide	BSD	2	%	20
MSM3006 BSD	75-09-2	Methylene chloride	BSD	101	%	70-130
MSM3006 BSD	75-09-2	Methylene chloride	BSD	3	%	20
MSM3006 BSD	91-20-3	Naphthalene	BSD	103	%	70-130
MSM3006 BSD	91-20-3	Naphthalene	BSD	3	%	20
MSM3006 BSD	103-65-1	n-Propylbenzene	BSD	103	%	70-130
MSM3006 BSD	103-65-1	n-Propylbenzene	BSD	3	%	20
MSM3006 BSD	100-42-5	Styrene	BSD	105	%	70-130
MSM3006 BSD	100-42-5	Styrene	BSD	2	%	20
MSM3006 BSD	994-05-8	tert-Amyl Methyl Ether	BSD	97	%	70-130
MSM3006 BSD	994-05-8	tert-Amyl Methyl Ether	BSD	2	%	20
MSM3006 BSD	637-92-3	tert-Butyl Ethyl Ether	BSD	99	%	70-130
MSM3006 BSD	637-92-3	tert-Butyl Ethyl Ether	BSD	1	%	20
MSM3006 BSD	630-20-6	1,1,1,2-Tetrachloroethane	BSD	105	%	70-130
MSM3006 BSD	630-20-6	1,1,1,2-Tetrachloroethane	BSD	0	%	20
MSM3006 BSD	79-34-5	1,1,2,2-Tetrachloroethane	BSD	99	%	70-130
MSM3006 BSD	79-34-5	1,1,2,2-Tetrachloroethane	BSD	5	%	20
MSM3006 BSD	127-18-4	Tetrachloroethene	BSD	103	%	70-130
MSM3006 BSD	127-18-4	Tetrachloroethene	BSD	2	%	20
MSM3006 BSD	109-99-9	Tetrahydrofuran	BSD	96	%	70-130
MSM3006 BSD	109-99-9	Tetrahydrofuran	BSD	9	%	20
MSM3006 BSD	108-88-3	Toluene	BSD	100	%	70-130
MSM3006 BSD	108-88-3	Toluene	BSD	0	%	20
MSM3006 BSD	87-61-6	1,2,3-Trichlorobenzene	BSD	105	%	70-130
MSM3006 BSD	87-61-6	1,2,3-Trichlorobenzene	BSD	1	%	20
MSM3006 BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	109	%	70-130
MSM3006 BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	2	%	20
MSM3006 BSD	71-55-6	1,1,1-Trichloroethane	BSD	98	%	70-130
MSM3006 BSD	71-55-6	1,1,1-Trichloroethane	BSD	2	%	20
MSM3006 BSD	79-00-5	1,1,2-Trichloroethane	BSD	95	%	70-130
MSM3006 BSD	79-00-5	1,1,2-Trichloroethane	BSD	0	%	20
MSM3006 BSD	79-01-6	Trichloroethene	BSD	98	%	70-130
MSM3006 BSD	79-01-6	Trichloroethene	BSD	2	%	20
MSM3006 BSD	75-69-4	Trichlorofluoromethane	BSD	97	%	70-130
MSM3006 BSD	75-69-4	Trichlorofluoromethane	BSD	1	%	20
MSM3006 BSD	96-18-4	1,2,3-Trichloropropane	BSD	93	%	70-130
MSM3006 BSD	96-18-4	1,2,3-Trichloropropane	BSD	5	%	20
MSM3006 BSD	95-63-6	1,2,4-Trimethylbenzene	BSD	104	%	70-130
MSM3006 BSD	95-63-6	1,2,4-Trimethylbenzene	BSD	2	%	20
MSM3006 BSD	108-67-8	1,3,5-Trimethylbenzene	BSD	103	%	70-130
MSM3006 BSD	108-67-8	1,3,5-Trimethylbenzene	BSD	1	%	20
MSM3006 BSD	75-01-4	Vinyl chloride	BSD	101	%	70-130
MSM3006 BSD	75-01-4	Vinyl chloride	BSD	5	%	20

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

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QC Sample ID	CAS#	Analyte	Sample Type	Result	Units	Limits
MSM3006-BSD		m,p-Xylene	BSD	REC 104	%	70-130
MSM3006-BSD		m,p-Xylene	BSD	RPD 3	%	20
MSM3006-BSD	95-47-6	o-Xylene	BSD	REC 105	%	70-130
MSM3006-BSD	95-47-6	o-Xylene	BSD	RPD 1	%	20
MSM3006-BSD	1330-20-7	Xylene (total)	BSD	REC 104	%	70-130
MSM3006-BSD	1330-20-7	Xylene (total)	BSD	RPD 2	%	20
MSM3006-BSD	1868-53-7	Dibromofluoromethane	BSD	SURR 98	%	70-130
MSM3006-BSD	2037-26-5	Toluene-D8	BSD	SURR 101	%	70-130
MSM3006-BSD	460-00-4	4-Bromofluorobenzene	BSD	SURR 99	%	70-130
MSM3006-MB	1868-53-7	Dibromofluoromethane	MB	SURR 100	%	70-130
MSM3006-MB	2037-26-5	Toluene-D8	MB	SURR 101	%	70-130
MSM3006-MB	460-00-4	4-Bromofluorobenzene	MB	SURR 100	%	70-130
MC49976-52	1868-53-7	Dibromofluoromethane	SAMP	SURR 97	%	70-130
MC49976-52	2037-26-5	Toluene-D8	SAMP	SURR 99	%	70-130
MC49976-52	460-00-4	4-Bromofluorobenzene	SAMP	SURR 127	%	70-130
OP49564	SW846 8270D					
OP49564-BS	65-85-0	Benzoic acid	BSP	REC 47	%	30-130
OP49564-BS	95-57-8	2-Chlorophenol	BSP	REC 82	%	30-130
OP49564-BS	59-50-7	4-Chloro-3-methyl phenol	BSP	REC 88	%	30-130
OP49564-BS	120-83-2	2,4-Dichlorophenol	BSP	REC 88	%	30-130
OP49564-BS	105-67-9	2,4-Dimethylphenol	BSP	REC 81	%	30-130
OP49564-BS	51-28-5	2,4-Dinitrophenol	BSP	REC 54	%	30-130
OP49564-BS	95-48-7	2-Methylphenol	BSP	REC 84	%	30-130
OP49564-BS		3&4-Methylphenol	BSP	REC 82	%	30-130
OP49564-BS	88-75-5	2-Nitrophenol	BSP	REC 86	%	30-130
OP49564-BS	100-02-7	4-Nitrophenol	BSP	REC 85	%	30-130
OP49564-BS	87-86-5	Pentachlorophenol	BSP	REC 84	%	30-130
OP49564-BS	108-95-2	Phenol	BSP	REC 82	%	30-130
OP49564-BS	95-95-4	2,4,5-Trichlorophenol	BSP	REC 95	%	30-130
OP49564-BS	88-06-2	2,4,6-Trichlorophenol	BSP	REC 98	%	30-130
OP49564-BS	83-32-9	Acenaphthene	BSP	REC 93	%	40-140
OP49564-BS	208-96-8	Acenaphthylene	BSP	REC 91	%	40-140
OP49564-BS	98-86-2	Acetophenone	BSP	REC 78	%	40-140
OP49564-BS	62-53-3	Aniline	BSP	REC 57	%	40-140
OP49564-BS	120-12-7	Anthracene	BSP	REC 95	%	40-140
OP49564-BS	56-55-3	Benzo(a)anthracene	BSP	REC 99	%	40-140
OP49564-BS	50-32-8	Benzo(a)pyrene	BSP	REC 105	%	40-140
OP49564-BS	205-99-2	Benzo(b)fluoranthene	BSP	REC 103	%	40-140
OP49564-BS	191-24-2	Benzo(g,h,i)perylene	BSP	REC 104	%	40-140
OP49564-BS	207-08-9	Benzo(k)fluoranthene	BSP	REC 102	%	40-140
OP49564-BS	101-55-3	4-Bromophenyl phenyl ether	BSP	REC 99	%	40-140
OP49564-BS	85-68-7	Butyl benzyl phthalate	BSP	REC 111	%	40-140
OP49564-BS	91-58-7	2-Chloronaphthalene	BSP	REC 94	%	40-140

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
OP49564 BS	106-47-8	4-Chloroaniline	BSP	REC	47	%	40-140
OP49564 BS	218-01-9	Chrysene	BSP	REC	94	%	40-140
OP49564 BS	111-91-1	bis(2-Chloroethoxy)methane	BSP	REC	87	%	40-140
OP49564 BS	111-44-4	bis(2-Chloroethyl)ether	BSP	REC	79	%	40-140
OP49564 BS	108-60-1	bis(2-Chloroisopropyl)ether	BSP	REC	91	%	40-140
OP49564 BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	78	%	40-140
OP49564 BS	122-66-7	1,2-Diphenylhydrazine	BSP	REC	97	%	40-140
OP49564 BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	76	%	40-140
OP49564 BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	75	%	40-140
OP49564 BS	121-14-2	2,4-Dinitrotoluene	BSP	REC	105	%	40-140
OP49564 BS	606-20-2	2,6-Dinitrotoluene	BSP	REC	103	%	40-140
OP49564 BS	91-94-1	3,3'-Dichlorobenzidine	BSP	REC	75	%	40-140
OP49564 BS	53-70-3	Dibenz(a,h)anthracene	BSP	REC	103	%	40-140
OP49564 BS	132-64-9	Dibenzofuran	BSP	REC	89	%	40-140
OP49564 BS	84-74-2	Di-n-butyl phthalate	BSP	REC	96	%	40-140
OP49564 BS	117-84-0	Di-n-octyl phthalate	BSP	REC	106	%	40-140
OP49564 BS	84-66-2	Diethyl phthalate	BSP	REC	98	%	40-140
OP49564 BS	131-11-3	Dimethyl phthalate	BSP	REC	99	%	40-140
OP49564 BS	117-81-7	bis(2-Ethylhexyl)phthalate	BSP	REC	113	%	40-140
OP49564 BS	206-44-0	Fluoranthene	BSP	REC	100	%	40-140
OP49564 BS	86-73-7	Fluorene	BSP	REC	99	%	40-140
OP49564 BS	118-74-1	Hexachlorobenzene	BSP	REC	97	%	40-140
OP49564 BS	87-68-3	Hexachlorobutadiene	BSP	REC	86	%	40-140
OP49564 BS	77-47-4	Hexachlorocyclopentadiene	BSP	REC	76	%	40-140
OP49564 BS	67-72-1	Hexachloroethane	BSP	REC	74	%	40-140
OP49564 BS	193-39-5	Indeno(1,2,3-cd)pyrene	BSP	REC	102	%	40-140
OP49564 BS	78-59-1	Isophorone	BSP	REC	90	%	40-140
OP49564 BS	91-57-6	2-Methylnaphthalene	BSP	REC	86	%	40-140
OP49564 BS	91-20-3	Naphthalene	BSP	REC	87	%	40-140
OP49564 BS	98-95-3	Nitrobenzene	BSP	REC	86	%	40-140
OP49564 BS	621-64-7	N-Nitroso-di-n-propylamine	BSP	REC	94	%	40-140
OP49564 BS	86-30-6	N-Nitrosodiphenylamine	BSP	REC	96	%	40-140
OP49564 BS	85-01-8	Phenanthrene	BSP	REC	97	%	40-140
OP49564 BS	129-00-0	Pyrene	BSP	REC	106	%	40-140
OP49564 BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	86	%	40-140
OP49564 BS	367-12-4	2-Fluorophenol	BSP	SURR	78	%	30-130
OP49564 BS	4165-62-2	Phenol d5	BSP	SURR	84	%	30-130
OP49564 BS	118-79-6	2,4,6-Tribromophenol	BSP	SURR	91	%	30-130
OP49564 BS	4165-60-0	Nitrobenzene-d5	BSP	SURR	76	%	30-130
OP49564 BS	321-60-8	2-Fluorobiphenyl	BSP	SURR	93	%	30-130
OP49564 BS	1718-51-0	Terphenyl-d14	BSP	SURR	83	%	30-130
OP49564 BS	65-85-0	Benzoic acid	BSD	REC	48	%	30-130
OP49564 BS	65-85-0	Benzoic acid	BSD	RPD	3	%	30
OP49564 BS	95-57-8	2-Chlorophenol	BSD	REC	80	%	30-130
OP49564 BS	95-57-8	2-Chlorophenol	BSD	RPD	3	%	30

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
OP49564 BSD	59-50-7	4-Chloro-3-methyl phenol	BSD	REC	88	%	30-130
OP49564 BSD	59-50-7	4-Chloro-3-methyl phenol	BSD	RPD	0	%	30
OP49564 BSD	120-83-2	2,4-Dichlorophenol	BSD	REC	90	%	30-130
OP49564 BSD	120-83-2	2,4-Dichlorophenol	BSD	RPD	2	%	30
OP49564 BSD	105-67-9	2,4-Dimethylphenol	BSD	REC	81	%	30-130
OP49564 BSD	105-67-9	2,4-Dimethylphenol	BSD	RPD	0	%	30
OP49564 BSD	51-28-5	2,4-Dinitrophenol	BSD	REC	57	%	30-130
OP49564 BSD	51-28-5	2,4-Dinitrophenol	BSD	RPD	6	%	30
OP49564 BSD	95-48-7	2-Methylphenol	BSD	REC	82	%	30-130
OP49564 BSD	95-48-7	2-Methylphenol	BSD	RPD	1	%	30
OP49564 BSD		3&4-Methylphenol	BSD	REC	83	%	30-130
OP49564 BSD		3&4-Methylphenol	BSD	RPD	0	%	30
OP49564 BSD	88-75-5	2-Nitrophenol	BSD	REC	86	%	30-130
OP49564 BSD	88-75-5	2-Nitrophenol	BSD	RPD	0	%	30
OP49564 BSD	100-02-7	4-Nitrophenol	BSD	REC	86	%	30-130
OP49564 BSD	100-02-7	4-Nitrophenol	BSD	RPD	2	%	30
OP49564 BSD	87-86-5	Pentachlorophenol	BSD	REC	88	%	30-130
OP49564 BSD	87-86-5	Pentachlorophenol	BSD	RPD	4	%	30
OP49564 BSD	108-95-2	Phenol	BSD	REC	81	%	30-130
OP49564 BSD	108-95-2	Phenol	BSD	RPD	1	%	30
OP49564 BSD	95-95-4	2,4,5-Trichlorophenol	BSD	REC	95	%	30-130
OP49564 BSD	95-95-4	2,4,5-Trichlorophenol	BSD	RPD	0	%	30
OP49564 BSD	88-06-2	2,4,6-Trichlorophenol	BSD	REC	96	%	30-130
OP49564 BSD	88-06-2	2,4,6-Trichlorophenol	BSD	RPD	2	%	30
OP49564 BSD	83-32-9	Acenaphthene	BSD	REC	90	%	40-140
OP49564 BSD	83-32-9	Acenaphthene	BSD	RPD	4	%	30
OP49564 BSD	208-96-8	Acenaphthylene	BSD	REC	88	%	40-140
OP49564 BSD	208-96-8	Acenaphthylene	BSD	RPD	3	%	30
OP49564 BSD	98-86-2	Acetophenone	BSD	REC	75	%	40-140
OP49564 BSD	98-86-2	Acetophenone	BSD	RPD	4	%	30
OP49564 BSD	62-53-3	Aniline	BSD	REC	51	%	40-140
OP49564 BSD	62-53-3	Aniline	BSD	RPD	12	%	30
OP49564 BSD	120-12-7	Anthracene	BSD	REC	95	%	40-140
OP49564 BSD	120-12-7	Anthracene	BSD	RPD	0	%	30
OP49564 BSD	56-55-3	Benzo(a)anthracene	BSD	REC	98	%	40-140
OP49564 BSD	56-55-3	Benzo(a)anthracene	BSD	RPD	1	%	30
OP49564 BSD	50-32-8	Benzo(a)pyrene	BSD	REC	104	%	40-140
OP49564 BSD	50-32-8	Benzo(a)pyrene	BSD	RPD	1	%	30
OP49564 BSD	205-99-2	Benzo(b)fluoranthene	BSD	REC	102	%	40-140
OP49564 BSD	205-99-2	Benzo(b)fluoranthene	BSD	RPD	1	%	30
OP49564 BSD	191-24-2	Benzo(g,h,i)perylene	BSD	REC	99	%	40-140
OP49564 BSD	191-24-2	Benzo(g,h,i)perylene	BSD	RPD	4	%	30
OP49564 BSD	207-08-9	Benzo(k)fluoranthene	BSD	REC	98	%	40-140
OP49564 BSD	207-08-9	Benzo(k)fluoranthene	BSD	RPD	4	%	30
OP49564 BSD	101-55-3	4-Bromophenyl phenyl ether	BSD	REC	99	%	40-140

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

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Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result	Units	Limits
OP49564-BSD	101-55-3	4-Bromophenyl phenyl ether	BSD	0	%	30
OP49564-BSD	85-68-7	Butyl benzyl phthalate	BSD	109	%	40-140
OP49564-BSD	85-68-7	Butyl benzyl phthalate	BSD	2	%	30
OP49564-BSD	91-58-7	2-Chloronaphthalene	BSD	91	%	40-140
OP49564-BSD	91-58-7	2-Chloronaphthalene	BSD	3	%	30
OP49564-BSD	106-47-8	4-Chloroaniline	BSD	45	%	40-140
OP49564-BSD	106-47-8	4-Chloroaniline	BSD	5	%	30
OP49564-BSD	218-01-9	Chrysene	BSD	94	%	40-140
OP49564-BSD	111-91-1	bis(2-Chloroethoxy)methane	BSD	84	%	40-140
OP49564-BSD	111-91-1	bis(2-Chloroethoxy)methane	BSD	4	%	30
OP49564-BSD	111-44-4	bis(2-Chloroethyl)ether	BSD	75	%	40-140
OP49564-BSD	111-44-4	bis(2-Chloroethyl)ether	BSD	6	%	30
OP49564-BSD	108-60-1	bis(2-Chloroisopropyl)ether	BSD	86	%	40-140
OP49564-BSD	108-60-1	bis(2-Chloroisopropyl)ether	BSD	5	%	30
OP49564-BSD	95-50-1	1,2-Dichlorobenzene	BSD	73	%	40-140
OP49564-BSD	95-50-1	1,2-Dichlorobenzene	BSD	72	%	40-140
OP49564-BSD	122-66-7	1,2-Diphenylhydrazine	BSD	6	%	30
OP49564-BSD	122-66-7	1,2-Diphenylhydrazine	BSD	7	%	40-140
OP49564-BSD	541-73-1	1,3-Dichlorobenzene	BSD	94	%	40-140
OP49564-BSD	541-73-1	1,3-Dichlorobenzene	BSD	3	%	30
OP49564-BSD	106-46-7	1,4-Dichlorobenzene	BSD	71	%	40-140
OP49564-BSD	106-46-7	1,4-Dichlorobenzene	BSD	5	%	30
OP49564-BSD	121-14-2	2,4-Dinitrotoluene	BSD	104	%	40-140
OP49564-BSD	121-14-2	2,4-Dinitrotoluene	BSD	1	%	30
OP49564-BSD	606-20-2	2,6-Dinitrotoluene	BSD	99	%	40-140
OP49564-BSD	606-20-2	2,6-Dinitrotoluene	BSD	4	%	30
OP49564-BSD	91-94-1	3,3'-Dichlorobenzidine	BSD	72	%	40-140
OP49564-BSD	91-94-1	3,3'-Dichlorobenzidine	BSD	5	%	30
OP49564-BSD	53-70-3	Dibenzo(a,h)anthracene	BSD	103	%	40-140
OP49564-BSD	53-70-3	Dibenzo(a,h)anthracene	BSD	0	%	30
OP49564-BSD	132-64-9	Dibenzofuran	BSD	88	%	40-140
OP49564-BSD	132-64-9	Dibenzofuran	BSD	1	%	30
OP49564-BSD	84-74-2	Di-n-butyl phthalate	BSD	96	%	40-140
OP49564-BSD	84-74-2	Di-n-butyl phthalate	BSD	0	%	30
OP49564-BSD	117-84-0	Di-n-octyl phthalate	BSD	104	%	40-140
OP49564-BSD	117-84-0	Di-n-octyl phthalate	BSD	2	%	30
OP49564-BSD	84-66-2	Diethyl phthalate	BSD	96	%	40-140
OP49564-BSD	84-66-2	Diethyl phthalate	BSD	1	%	30
OP49564-BSD	131-11-3	Dimethyl phthalate	BSD	98	%	40-140
OP49564-BSD	131-11-3	Dimethyl phthalate	BSD	1	%	30
OP49564-BSD	117-81-7	bis(2-Ethylhexyl)phthalate	BSD	112	%	40-140
OP49564-BSD	117-81-7	bis(2-Ethylhexyl)phthalate	BSD	1	%	30
OP49564-BSD	206-44-0	Fluoranthene	BSD	100	%	40-140
OP49564-BSD	206-44-0	Fluoranthene	BSD	0	%	30

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

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Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result	Units	Limits
OP49564-BSD	86-73-7	Fluorene	BSD	97	%	40-140
OP49564-BSD	86-73-7	Fluorene	BSD	2	%	30
OP49564-BSD	118-74-1	Hexachlorobenzene	BSD	98	%	40-140
OP49564-BSD	118-74-1	Hexachlorobenzene	BSD	1	%	30
OP49564-BSD	87-68-3	Hexachlorobutadiene	BSD	79	%	40-140
OP49564-BSD	87-68-3	Hexachlorobutadiene	BSD	8	%	30
OP49564-BSD	77-47-4	Hexachlorocyclopentadiene	BSD	69	%	40-140
OP49564-BSD	77-47-4	Hexachlorocyclopentadiene	BSD	9	%	30
OP49564-BSD	67-72-1	Hexachloroethane	BSD	69	%	40-140
OP49564-BSD	67-72-1	Hexachloroethane	BSD	7	%	30
OP49564-BSD	193-39-5	Indeno(1,2,3-cd)pyrene	BSD	101	%	40-140
OP49564-BSD	193-39-5	Indeno(1,2,3-cd)pyrene	BSD	0	%	30
OP49564-BSD	78-59-1	Isophorone	BSD	85	%	40-140
OP49564-BSD	78-59-1	Isophorone	BSD	5	%	30
OP49564-BSD	91-57-6	2-Methylnaphthalene	BSD	81	%	40-140
OP49564-BSD	91-57-6	2-Methylnaphthalene	BSD	5	%	30
OP49564-BSD	91-20-3	Naphthalene	BSD	83	%	40-140
OP49564-BSD	91-20-3	Naphthalene	BSD	5	%	30
OP49564-BSD	98-95-3	Nitrobenzene	BSD	81	%	40-140
OP49564-BSD	98-95-3	Nitrobenzene	BSD	6	%	30
OP49564-BSD	621-64-7	N-Nitroso-di-n-propylamine	BSD	88	%	40-140
OP49564-BSD	621-64-7	N-Nitroso-di-n-propylamine	BSD	6	%	30
OP49564-BSD	86-30-6	N-Nitrosodiphenylamine	BSD	95	%	40-140
OP49564-BSD	86-30-6	N-Nitrosodiphenylamine	BSD	1	%	30
OP49564-BSD	85-01-8	Phenanthrene	BSD	95	%	40-140
OP49564-BSD	85-01-8	Phenanthrene	BSD	2	%	30
OP49564-BSD	129-00-0	Pyrene	BSD	102	%	40-140
OP49564-BSD	129-00-0	Pyrene	BSD	3	%	30
OP49564-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	82	%	40-140
OP49564-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	5	%	30
OP49564-BSD	367-12-4	2-Fluorophenol	BSD	73	%	30-130
OP49564-BSD	4165-62-2	Phenol d5	BSD	82	%	30-130
OP49564-BSD	118-79-6	2,4,6-Tribromophenol	BSD	91	%	30-130
OP49564-BSD	4165-60-0	Nitrobenzene-d5	BSD	72	%	30-130
OP49564-BSD	321-60-8	2-Fluorobiphenyl	BSD	79	%	30-130
OP49564-BSD	1718-51-0	Terphenyl-d14	BSD	91	%	30-130
OP49564-MB	367-12-4	2-Fluorophenol	MB	70	%	30-130
OP49564-MB	4165-62-2	Phenol d5	MB	75	%	30-130
OP49564-MB	118-79-6	2,4,6-Tribromophenol	MB	80	%	30-130
OP49564-MB	4165-60-0	Nitrobenzene-d5	MB	66	%	30-130
OP49564-MB	321-60-8	2-Fluorobiphenyl	MB	73	%	30-130
OP49564-MB	1718-51-0	Terphenyl d14	MB	93	%	30-130
MC49976-4	367-12-4	2-Fluorophenol	SAMP	85	%	30-130
MC49976-4	367-12-4	2-Fluorophenol	SAMP	80	%	30-130
MC49976-4	4165-62-2	Phenol d5	SAMP	84	%	30-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Units	Limits
MC49976-4	4165-62-2	Phenol-d5	SAMP	SURR 91	%	30-130
MC49976-4	118-79-6	2,4,6-Tribromophenol	SAMP	SURR 89	%	30-130
MC49976-4	118-79-6	2,4,6-Tribromophenol	SAMP	SURR 93	%	30-130
MC49976-4	4165-60-0	Nitrobenzene-d5	SAMP	SURR 75	%	30-130
MC49976-4	4165-60-0	Nitrobenzene-d5	SAMP	SURR 81	%	30-130
MC49976-4	321-60-8	2-Fluorobiphenyl	SAMP	SURR 82	%	30-130
MC49976-4	321-60-8	2-Fluorobiphenyl	SAMP	SURR 86	%	30-130
MC49976-4	1718-51-0	Terphenyl-d14	SAMP	SURR 91	%	30-130
MC49976-4	1718-51-0	Terphenyl-d14	SAMP	SURR 99	%	30-130
MC49976-8	367-12-4	2-Fluorophenol	SAMP	SURR 80	%	30-130
MC49976-8	4165-62-2	Phenol d5	SAMP	SURR 85	%	30-130
MC49976-8	118-79-6	2,4,6-Tribromophenol	SAMP	SURR 92	%	30-130
MC49976-8	4165-60-0	Nitrobenzene-d5	SAMP	SURR 78	%	30-130
MC49976-8	321-60-8	2-Fluorobiphenyl	SAMP	SURR 85	%	30-130
MC49976-8	1718-51-0	Terphenyl-d14	SAMP	SURR 97	%	30-130
MC49976-12	367-12-4	2-Fluorophenol	SAMP	SURR 78	%	30-130
MC49976-12	4165-62-2	Phenol d5	SAMP	SURR 82	%	30-130
MC49976-12	118-79-6	2,4,6-Tribromophenol	SAMP	SURR 83	%	30-130
MC49976-12	4165-60-0	Nitrobenzene-d5	SAMP	SURR 77	%	30-130
MC49976-16	367-12-4	2-Fluorophenol	SAMP	SURR 76	%	30-130
MC49976-16	367-12-4	2-Fluorophenol	SAMP	SURR 74	%	30-130
MC49976-16	4165-62-2	Phenol d5	SAMP	SURR 79	%	30-130
MC49976-16	4165-62-2	Phenol d5	SAMP	SURR 86	%	30-130
MC49976-16	118-79-6	2,4,6-Tribromophenol	SAMP	SURR 73	%	30-130
MC49976-16	4165-60-0	Nitrobenzene-d5	SAMP	SURR 71	%	30-130
MC49976-16	321-60-8	2-Fluorobiphenyl	SAMP	SURR 81	%	30-130
MC49976-16	321-60-8	2-Fluorobiphenyl	SAMP	SURR 79	%	30-130
MC49976-20	1718-51-0	Terphenyl-d14	SAMP	SURR 89	%	30-130
MC49976-20	367-12-4	2-Fluorophenol	SAMP	SURR 75	%	30-130
MC49976-20	4165-62-2	Phenol d5	SAMP	SURR 81	%	30-130
MC49976-20	118-79-6	2,4,6-Tribromophenol	SAMP	SURR 92	%	30-130
MC49976-20	4165-60-0	Nitrobenzene-d5	SAMP	SURR 83	%	30-130
MC49976-24	367-12-4	2-Fluorophenol	SAMP	SURR 72	%	30-130
MC49976-24	367-12-4	2-Fluorophenol	SAMP	SURR 79	%	30-130
MC49976-24	4165-62-2	Phenol d5	SAMP	SURR 78	%	30-130
MC49976-24	4165-62-2	Phenol d5	SAMP	SURR 79	%	30-130
MC49976-24	118-79-6	2,4,6-Tribromophenol	SAMP	SURR 89	%	30-130
MC49976-24	118-79-6	2,4,6-Tribromophenol	SAMP	SURR 87	%	30-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Units	Limits
MC49976-24	4165-60-0	Nitrobenzene-d5	SAMP	SURR 73	%	30-130
MC49976-24	4165-60-0	Nitrobenzene-d5	SAMP	SURR 70	%	30-130
MC49976-24	321-60-8	2-Fluorobiphenyl	SAMP	SURR 77	%	30-130
MC49976-24	321-60-8	2-Fluorobiphenyl	SAMP	SURR 83	%	30-130
MC49976-24	1718-51-0	Terphenyl-d14	SAMP	SURR 87	%	30-130
MC49976-24	1718-51-0	Terphenyl-d14	SAMP	SURR 97	%	30-130
MC49976-28	367-12-4	2-Fluorophenol	SAMP	SURR 77	%	30-130
MC49976-28	4165-62-2	Phenol d5	SAMP	SURR 82	%	30-130
MC49976-28	118-79-6	2,4,6-Tribromophenol	SAMP	SURR 92	%	30-130
MC49976-28	4165-60-0	Nitrobenzene-d5	SAMP	SURR 73	%	30-130
MC49976-28	321-60-8	2-Fluorobiphenyl	SAMP	SURR 81	%	30-130
MC49976-32	1718-51-0	Terphenyl-d14	SAMP	SURR 91	%	30-130
MC49976-32	367-12-4	2-Fluorophenol	SAMP	SURR 68	%	30-130
MC49976-32	4165-62-2	Phenol d5	SAMP	SURR 76	%	30-130
MC49976-32	118-79-6	2,4,6-Tribromophenol	SAMP	SURR 83	%	30-130
MC49976-32	4165-60-0	Nitrobenzene-d5	SAMP	SURR 71	%	30-130
MC49976-32	321-60-8	2-Fluorobiphenyl	SAMP	SURR 79	%	30-130
MC49976-36	367-12-4	2-Fluorophenol	SAMP	SURR 92	%	30-130
MC49976-36	4165-62-2	Phenol d5	SAMP	SURR 71	%	30-130
MC49976-36	118-79-6	2,4,6-Tribromophenol	SAMP	SURR 75	%	30-130
MC49976-36	4165-60-0	Nitrobenzene-d5	SAMP	SURR 80	%	30-130
MC49976-36	321-60-8	2-Fluorobiphenyl	SAMP	SURR 70	%	30-130
MC49976-40	1718-51-0	Terphenyl-d14	SAMP	SURR 74	%	30-130
MC49976-40	367-12-4	2-Fluorophenol	SAMP	SURR 85	%	30-130
MC49976-40	4165-62-2	Phenol d5	SAMP	SURR 83	%	30-130
MC49976-40	118-79-6	2,4,6-Tribromophenol	SAMP	SURR 89	%	30-130
MC49976-40	4165-60-0	Nitrobenzene-d5	SAMP	SURR 78	%	30-130
MC49976-40	321-60-8	2-Fluorobiphenyl	SAMP	SURR 81	%	30-130
MC49976-40	1718-51-0	Terphenyl-d14	SAMP	SURR 92	%	30-130
MC49976-44	367-12-4	2-Fluorophenol	SAMP	SURR 83	%	30-130
MC49976-44	4165-62-2	Phenol d5	SAMP	SURR 89	%	30-130
MC49976-44	118-79-6	2,4,6-Tribromophenol	SAMP	SURR 86	%	30-130
MC49976-44	4165-60-0	Nitrobenzene-d5	SAMP	SURR 92	%	30-130
MC49976-44	321-60-8	2-Fluorobiphenyl	SAMP	SURR 82	%	30-130
MC49976-44	1718-51-0	Terphenyl-d14	SAMP	SURR 86	%	30-130
MC49976-48	367-12-4	2-Fluorophenol	SAMP	SURR 97	%	30-130
MC49976-48	4165-62-2	Phenol d5	SAMP	SURR 72	%	30-130
MC49976-48	118-79-6	2,4,6-Tribromophenol	SAMP	SURR 76	%	30-130
MC49976-48	4165-60-0	Nitrobenzene-d5	SAMP	SURR 85	%	30-130
MC49976-48	321-60-8	2-Fluorobiphenyl	SAMP	SURR 73	%	30-130
MC49976-48	1718-51-0	Terphenyl-d14	SAMP	SURR 78	%	30-130
MC49976-52	367-12-4	2-Fluorophenol	SAMP	SURR 92	%	30-130
MC49976-52	4165-62-2	Phenol d5	SAMP	SURR 45	%	30-130
MC49976-52	118-79-6	2,4,6-Tribromophenol	SAMP	SURR 51	%	30-130
MC49976-52	118-79-6	2,4,6-Tribromophenol	SAMP	SURR 72	%	30-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result Type	Units Limits
MC49976-52	4165-60-0	Nitrobenzene-d5	SAMP	SURR 47	% 30-130
MC49976-52	321-60-8	2-Fluorobiphenyl	SAMP	SURR 55	% 30-130
MC49976-52	1718-51-0	Terphenyl-d14	SAMP	SURR 76	% 30-130
MC49976-56	367-12-4	2-Fluorophenol	SAMP	SURR 80	% 30-130
MC49976-56	4165-62-2	Phenol-d5	SAMP	SURR 81	% 30-130
MC49976-56	118-79-6	2,4,6-Tribromophenol	SAMP	SURR 89	% 30-130
MC49976-56	4165-60-0	Nitrobenzene-d5	SAMP	SURR 75	% 30-130
MC49976-56	321-60-8	2-Fluorobiphenyl	SAMP	SURR 80	% 30-130
MC49976-56	1718-51-0	Terphenyl-d14	SAMP	SURR 89	% 30-130
MC49976-60	367-12-4	2-Fluorophenol	SAMP	SURR 83	% 30-130
MC49976-60	367-12-4	2-Fluorophenol	SAMP	SURR 78	% 30-130
MC49976-60	4165-62-2	Phenol-d5	SAMP	SURR 84	% 30-130
MC49976-60	4165-62-2	Phenol-d5	SAMP	SURR 81	% 30-130
MC49976-60	118-79-6	2,4,6-Tribromophenol	SAMP	SURR 91	% 30-130
MC49976-60	118-79-6	2,4,6-Tribromophenol	SAMP	SURR 94	% 30-130
MC49976-60	4165-60-0	Nitrobenzene-d5	SAMP	SURR 77	% 30-130
MC49976-60	4165-60-0	Nitrobenzene-d5	SAMP	SURR 78	% 30-130
MC49976-60	321-60-8	2-Fluorobiphenyl	SAMP	SURR 83	% 30-130
MC49976-60	321-60-8	2-Fluorobiphenyl	SAMP	SURR 84	% 30-130
MC49976-60	1718-51-0	Terphenyl-d14	SAMP	SURR 94	% 30-130
MC49976-60	1718-51-0	Terphenyl-d14	SAMP	SURR 99	% 30-130
MC49976-64	367-12-4	2-Fluorophenol	SAMP	SURR 79	% 30-130
MC49976-64	4165-62-2	Phenol-d5	SAMP	SURR 80	% 30-130
MC49976-64	118-79-6	2,4,6-Tribromophenol	SAMP	SURR 89	% 30-130
MC49976-64	4165-60-0	Nitrobenzene-d5	SAMP	SURR 78	% 30-130
MC49976-64	321-60-8	2-Fluorobiphenyl	SAMP	SURR 82	% 30-130
MC49976-64	1718-51-0	Terphenyl-d14	SAMP	SURR 88	% 30-130
MC49976-68	367-12-4	2-Fluorophenol	SAMP	SURR 74	% 30-130
MC49976-68	4165-62-2	Phenol-d5	SAMP	SURR 78	% 30-130
MC49976-68	118-79-6	2,4,6-Tribromophenol	SAMP	SURR 86	% 30-130
MC49976-68	4165-60-0	Nitrobenzene-d5	SAMP	SURR 71	% 30-130
MC49976-68	321-60-8	2-Fluorobiphenyl	SAMP	SURR 78	% 30-130
MC49976-68	1718-51-0	Terphenyl-d14	SAMP	SURR 85	% 30-130
MC49976-72	367-12-4	2-Fluorophenol	SAMP	SURR 78	% 30-130
MC49976-72	367-12-4	2-Fluorophenol	SAMP	SURR 72	% 30-130
MC49976-72	4165-62-2	Phenol-d5	SAMP	SURR 75	% 30-130
MC49976-72	4165-62-2	Phenol-d5	SAMP	SURR 74	% 30-130
MC49976-72	118-79-6	2,4,6-Tribromophenol	SAMP	SURR 74	% 30-130
MC49976-72	118-79-6	2,4,6-Tribromophenol	SAMP	SURR 74	% 30-130
MC49976-72	4165-60-0	Nitrobenzene-d5	SAMP	SURR 70	% 30-130
MC49976-72	4165-60-0	Nitrobenzene-d5	SAMP	SURR 69	% 30-130
MC49976-72	321-60-8	2-Fluorobiphenyl	SAMP	SURR 75	% 30-130
MC49976-72	321-60-8	2-Fluorobiphenyl	SAMP	SURR 72	% 30-130
MC49976-72	1718-51-0	Terphenyl-d14	SAMP	SURR 81	% 30-130
MC49976-72	1718-51-0	Terphenyl-d14	SAMP	SURR 86	% 30-130

* Sample used for QC is not from Job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result Type	Units Limits
MC49976-76	367-12-4	2-Fluorophenol	SAMP	SURR 77	% 30-130
MC49976-76	367-12-4	2-Fluorophenol	SAMP	SURR 77	% 30-130
MC49976-76	4165-62-2	Phenol-d5	SAMP	SURR 82	% 30-130
MC49976-76	4165-62-2	Phenol-d5	SAMP	SURR 84	% 30-130
MC49976-76	118-79-6	2,4,6-Tribromophenol	SAMP	SURR 77	% 30-130
MC49976-76	118-79-6	2,4,6-Tribromophenol	SAMP	SURR 71	% 30-130
MC49976-76	4165-60-0	Nitrobenzene-d5	SAMP	SURR 75	% 30-130
MC49976-76	4165-60-0	Nitrobenzene-d5	SAMP	SURR 78	% 30-130
MC49976-76	321-60-8	2-Fluorobiphenyl	SAMP	SURR 82	% 30-130
MC49976-76	321-60-8	2-Fluorobiphenyl	SAMP	SURR 76	% 30-130
MC49976-76	1718-51-0	Terphenyl-d14	SAMP	SURR 85	% 30-130
MC49976-76	1718-51-0	Terphenyl-d14	SAMP	SURR 87	% 30-130
OP49566	SW846 8082A				
OP49566-BS	12674-11-2	Aroclor 1016	BSP	REC 91	% 40-140
OP49566-BS	11096-82-5	Aroclor 1260	BSP	REC 93	% 40-140
OP49566-BS	877-09-8	Tetrachloro-m-xylene (sig#1)	BSP	SURR 90	% 30-150
OP49566-BS	877-09-8	Tetrachloro-m-xylene (sig#2)	BSP	SURR 93	% 30-150
OP49566-BS	2051-24-3	Decachlorobiphenyl (sig#1)	BSP	SURR 87	% 30-150
OP49566-BS	2051-24-3	Decachlorobiphenyl (sig#2)	BSP	SURR 92	% 30-150
OP49566-BSD	12674-11-2	Aroclor 1016	BSD	REC 86	% 40-140
OP49566-BSD	12674-11-2	Aroclor 1016	BSD	RPD 6	% 30
OP49566-BSD	11104-28-2	Aroclor 1221	BSD	RPD 0	% 30
OP49566-BSD	11141-16-5	Aroclor 1232	BSD	RPD 0	% 30
OP49566-BSD	53469-21-9	Aroclor 1242	BSD	RPD 0	% 30
OP49566-BSD	12672-29-6	Aroclor 1248	BSD	RPD 0	% 30
OP49566-BSD	11097-69-1	Aroclor 1254	BSD	RPD 0	% 30
OP49566-BSD	11096-82-5	Aroclor 1260	BSD	REC 87	% 40-140
OP49566-BSD	11096-82-5	Aroclor 1260	BSD	RPD 7	% 30
OP49566-BSD	37324-23-5	Aroclor 1262	BSD	RPD 0	% 30
OP49566-BSD	11100-14-4	Aroclor 1268	BSD	RPD 0	% 30
OP49566-BSD	877-09-8	Tetrachloro-m-xylene (sig#1)	BSD	SURR 88	% 30-150
OP49566-BSD	877-09-8	Tetrachloro-m-xylene (sig#2)	BSD	SURR 86	% 30-150
OP49566-BSD	2051-24-3	Decachlorobiphenyl (sig#1)	BSD	SURR 83	% 30-150
OP49566-BSD	2051-24-3	Decachlorobiphenyl (sig#2)	BSD	SURR 79	% 30-150
OP49566-MB	877-09-8	Tetrachloro-m-xylene (sig#1)	MB	SURR 99	% 30-150
OP49566-MB	877-09-8	Tetrachloro-m-xylene (sig#2)	MB	SURR 100	% 30-150
OP49566-MB	2051-24-3	Decachlorobiphenyl (sig#1)	MB	SURR 90	% 30-150
OP49566-MB	2051-24-3	Decachlorobiphenyl (sig#2)	MB	SURR 93	% 30-150
MC49976-4	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR 78	% 30-150
MC49976-4	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR 57	% 30-150
MC49976-4	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR 85	% 30-150
MC49976-4	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR 68	% 30-150
MC49976-8	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR 86	% 30-150

* Sample used for QC is not from Job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Units Limits
MC49976-8	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR 77	% 30-150
MC49976-8	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR 93	% 30-150
MC49976-8	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR 82	% 30-150
MC49976-12	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR 84	% 30-150
MC49976-12	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR 73	% 30-150
MC49976-12	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR 95	% 30-150
MC49976-12	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR 80	% 30-150
MC49976-16	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR 81	% 30-150
MC49976-16	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR 57	% 30-150
MC49976-16	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR 96	% 30-150
MC49976-16	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR 79	% 30-150
MC49976-20	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR 76	% 30-150
MC49976-20	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR 63	% 30-150
MC49976-20	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR 86	% 30-150
MC49976-20	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR 76	% 30-150
MC49976-24	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR 81	% 30-150
MC49976-24	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR 55	% 30-150
MC49976-24	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR 87	% 30-150
MC49976-24	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR 65	% 30-150
MC49976-28	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR 90	% 30-150
MC49976-28	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR 80	% 30-150
MC49976-28	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR 98	% 30-150
MC49976-28	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR 89	% 30-150
MC49976-32	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR 84	% 30-150
MC49976-32	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR 67	% 30-150
MC49976-32	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR 102	% 30-150
MC49976-32	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR 79	% 30-150
MC49976-36	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR 90	% 30-150
MC49976-36	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR 81	% 30-150
MC49976-36	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR 102	% 30-150
MC49976-36	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR 88	% 30-150
MC49976-40	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR 83	% 30-150
MC49976-40	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR 64	% 30-150
MC49976-40	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR 99	% 30-150
MC49976-40	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR 87	% 30-150
MC49976-44	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR 82	% 30-150
MC49976-44	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR 78	% 30-150
MC49976-44	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR 91	% 30-150
MC49976-44	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR 81	% 30-150
MC49976-48	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR 87	% 30-150
MC49976-48	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR 79	% 30-150
MC49976-48	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR 102	% 30-150
MC49976-48	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR 92	% 30-150
MC49976-52	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR 84	% 30-150
MC49976-52	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR 74	% 30-150

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Units Limits
MC49976-52	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR 96	% 30-150
MC49976-52	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR 82	% 30-150
MC49976-56	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR 80	% 30-150
MC49976-56	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR 68	% 30-150
MC49976-56	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR 91	% 30-150
MC49976-56	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR 79	% 30-150
MC49976-60	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR 76	% 30-150
MC49976-60	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR 55	% 30-150
MC49976-60	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR 83	% 30-150
MC49976-60	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR 64	% 30-150
MC49976-64	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR 70	% 30-150
MC49976-64	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR 57	% 30-150
MC49976-64	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR 79	% 30-150
MC49976-64	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR 67	% 30-150
MC49976-68	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR 79	% 30-150
MC49976-68	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR 57	% 30-150
MC49976-68	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR 89	% 30-150
MC49976-68	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR 67	% 30-150
MC49976-72	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR 80	% 30-150
MC49976-72	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR 54	% 30-150
MC49976-72	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR 92	% 30-150
MC49976-72	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR 66	% 30-150
MC49976-76	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR 75	% 30-150
MC49976-76	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR 52	% 30-150
MC49976-76	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR 95	% 30-150
MC49976-76	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR 70	% 30-150
OP49567	SW846 8081B				
OP49567-BS	309-00-2	Aldrin	BSP	REC 109	% 40-140
OP49567-BS	319-84-6	alpha-BHC	BSP	REC 107	% 40-140
OP49567-BS	319-85-7	beta-BHC	BSP	REC 112	% 40-140
OP49567-BS	319-86-8	delta-BHC	BSP	REC 61	% 40-140
OP49567-BS	58-89-9	gamma-BHC (Lindane)	BSP	REC 114	% 40-140
OP49567-BS	60-57-1	Dieldrin	BSP	REC 94	% 40-140
OP49567-BS	72-54-8	4,4'-DDD	BSP	REC 113	% 40-140
OP49567-BS	72-55-9	4,4'-DDE	BSP	REC 109	% 40-140
OP49567-BS	50-29-3	4,4'-DDT	BSP	REC 106	% 40-140
OP49567-BS	72-20-8	Endrin	BSP	REC 113	% 40-140
OP49567-BS	1031-07-8	Endosulfan sulfate	BSP	REC 120	% 40-140
OP49567-BS	959-98-8	Endosulfan-I	BSP	REC 116	% 40-140
OP49567-BS	33213-65-9	Endosulfan-II	BSP	REC 115	% 40-140
OP49567-BS	76-44-8	Heptachlor	BSP	REC 108	% 40-140
OP49567-BS	1024-57-3	Heptachlor epoxide	BSP	REC 108	% 40-140
OP49567-BS	118-74-1	Hexachlorobenzene	BSP	REC 84	% 40-140

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result	Units Limits
OP49567-BS	72-43-5	Methoxychlor	BSP	REC 106	% 40-140
OP49567-BS	53494-70-5	Endrin ketone	BSP	REC 110	% 40-140
OP49567-BS	877-09-8	Tetrachloro m xylene (sig#1)	BSP	SURR 89	% 30-150
OP49567-BS	877-09-8		SURR 92	% 30-150	
OP49567-BS	2051-24-3	Tetrachloro-m-xylene (sig#2)	BSP	SURR 113	% 30-150
OP49567 BS	2051-24-3	Decachlorobiphenyl (sig#1)	BSP	SURR 104	% 30-150
OP49567 BSD	309-00-2	Decachlorobiphenyl (sig#2)	BSD	REC 109	% 40-140
OP49567 BSD	309-00-2	Aldrin	BSD	RPD 1	% 30
OP49567 BSD	309-00-2	Aldrin	BSD	RPD 1	% 30
OP49567 BSD	319-84-6	alpha-BHC	BSD	REC 105	% 40-140
OP49567 BSD	319-84-6	alpha-BHC	BSD	RPD 2	% 30
OP49567 BSD	319-85-7	beta BHC	BSD	REC 109	% 40-140
OP49567 BSD	319-85-7	beta-BHC	BSD	RPD 4	% 30
OP49567 BSD	319-86-8	delta BHC	BSD	REC 58	% 40-140
OP49567 BSD	319-86-8	delta BHC	BSD	RPD 5	% 30
OP49567 BSD	58-89-9	gamma-BHC (Lindane)	BSD	REC 108	% 40-140
OP49567 BSD	58-89-9	gamma-BHC (Lindane)	BSD	RPD 5	% 30
OP49567 BSD	60-57-1	Dieldrin	BSD	REC 94	% 40-140
OP49567 BSD	60-57-1	Dieldrin	BSD	RPD 1	% 30
OP49567 BSD	72-54-8	4,4' DDD	BSD	REC 107	% 40-140
OP49567 BSD	72-54-8	4,4' DDD	BSD	RPD 5	% 30
OP49567 BSD	72-55-9	4,4' DDE	BSD	REC 108	% 40-140
OP49567 BSD	72-55-9	4,4' DDE	BSD	RPD 1	% 30
OP49567-BSD	50-29-3	4,4' DDT	BSD	REC 101	% 40-140
OP49567 BSD	50-29-3	4,4' DDT	BSD	RPD 5	% 30
OP49567 BSD	72-20-8	Endrin	BSD	REC 106	% 40-140
OP49567 BSD	72-20-8	Endrin	BSD	RPD 6	% 30
OP49567 BSD	1031-07-8	Endosulfan sulfate	BSD	REC 112	% 40-140
OP49567 BSD	1031-07-8	Endosulfan sulfate	BSD	RPD 7	% 30
OP49567 BSD	959-98-8	Endosulfan-I	BSD	REC 112	% 40-140
OP49567 BSD	959-98-8	Endosulfan I	BSD	RPD 4	% 30
OP49567 BSD	33213-65-9	Endosulfan-II	BSD	REC 110	% 40-140
OP49567 BSD	33213-65-9	Endosulfan-II	BSD	RPD 5	% 30
OP49567 BSD	76-44-8	Heptachlor	BSD	REC 102	% 40-140
OP49567 BSD	76-44-8	Heptachlor	BSD	RPD 6	% 30
OP49567 BSD	1024-57-3	Heptachlor epoxide	BSD	REC 105	% 40-140
OP49567 BSD	1024-57-3	Heptachlor epoxide	BSD	RPD 3	% 30
OP49567 BSD	118-74-1	Hexachlorobenzene	BSD	REC 84	% 40-140
OP49567 BSD	72-43-5	Methoxychlor	BSD	REC 97	% 40-140
OP49567 BSD	72-43-5	Methoxychlor	BSD	RPD 9	% 30
OP49567 BSD	53494-70-5	Endrin ketone	BSD	REC 104	% 40-140
OP49567 BSD	53494-70-5	Endrin ketone	BSD	RPD 5	% 30
OP49567 BSD	877-09-8	Tetrachloro m xylene (sig#1)	BSD	SURR 91	% 30-150
OP49567 BSD	877-09-8	Tetrachloro-m-xylene (sig#2)	BSD	SURR 94	% 30-150
OP49567 BSD	2051-24-3	Decachlorobiphenyl (sig#1)	BSD	SURR 104	% 30-150
OP49567 BSD	2051-24-3	Decachlorobiphenyl (sig#2)	BSD	SURR 107	% 30-150

* Sample used for QC is not from Job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result	Units Limits
OP49567 MB	877-09-8	Tetrachloro-m-xylene (sig#1)	MB	SURR 100	% 30-150
OP49567 MB	877-09-8	Tetrachloro m xylene (sig#2)	MB	SURR 88	% 30-150
OP49567 MB	2051-24-3	Decachlorobiphenyl (sig#1)	MB	SURR 107	% 30-150
OP49567 MB	2051-24-3	Decachlorobiphenyl (sig#2)	MB	SURR 110	% 30-150
MC49976-4	877-09-8	Tetrachloro m xylene (sig#1)	SAMP	SURR 48	% 30-150
MC49976 4	877-09-8	Tetrachloro m xylene (sig#2)	SAMP	SURR 64	% 30-150
MC49976 4	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR 59	% 30-150
MC49976-4	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR 150	% 30-150
MC49976 8	877-09-8	Tetrachloro m xylene (sig#1)	SAMP	SURR 68	% 30-150
MC49976-8	877-09-8	Tetrachloro m xylene (sig#2)	SAMP	SURR 73	% 30-150
MC49976-8	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR 61	% 30-150
MC49976-8	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR 88	% 30-150
MC49976-12	877-09-8	Tetrachloro m xylene (sig#1)	SAMP	SURR 71	% 30-150
MC49976-12	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR 82	% 30-150
MC49976 12	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR 62	% 30-150
MC49976-12	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR 122	% 30-150
MC49976 16	877-09-8	Tetrachloro m xylene (sig#1)	SAMP	SURR 47	% 30-150
MC49976 16	877-09-8	Tetrachloro m xylene (sig#2)	SAMP	SURR 65	% 30-150
MC49976-16	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR 54	% 30-150
MC49976-16	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR 218 ^b	% 30-150
MC49976-20	877-09-8	Tetrachloro m xylene (sig#1)	SAMP	SURR 60	% 30-150
MC49976 20	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR 71	% 30-150
MC49976 20	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR 62	% 30-150
MC49976-20	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR 142	% 30-150
MC49976 24	877-09-8	Tetrachloro m xylene (sig#1)	SAMP	SURR 40	% 30-150
MC49976-24	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR 63	% 30-150
MC49976 24	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR 707 ^e	% 30-150
MC49976-24	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR 841 ^e	% 30-150
MC49976-28	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR 83	% 30-150
MC49976 28	877-09-8	Tetrachloro m xylene (sig#2)	SAMP	SURR 81	% 30-150
MC49976-28	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR 65	% 30-150
MC49976 28	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR 86	% 30-150
MC49976-32	877-09-8	Tetrachloro m xylene (sig#1)	SAMP	SURR 55	% 30-150
MC49976-32	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR 65	% 30-150
MC49976 32	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR 59	% 30-150
MC49976-32	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR 190 ^b	% 30-150
MC49976 36	877-09-8	Tetrachloro m xylene (sig#1)	SAMP	SURR 73	% 30-150
MC49976 36	877-09-8	Tetrachloro m xylene (sig#2)	SAMP	SURR 73	% 30-150
MC49976-36	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR 53	% 30-150
MC49976 36	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR 95	% 30-150
MC49976-40	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR 58	% 30-150
MC49976-40	877-09-8	Tetrachloro m xylene (sig#2)	SAMP	SURR 68	% 30-150
MC49976 40	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR 70	% 30-150
MC49976-40	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR 120	% 30-150
MC49976-44	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR 86	% 30-150

* Sample used for QC is not from Job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggloire Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17



ACCUTEST
New England

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Units	Limits
MC49976-44	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	81	%
MC49976-44	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	50	%
MC49976-44	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	79	%
MC49976-48	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	82	%
MC49976-48	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	78	%
MC49976-48	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	52	%
MC49976-48	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	78	%
MC49976-52	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	71	%
MC49976-52	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	77	%
MC49976-52	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	56	%
MC49976-52	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	90	%
MC49976-56	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	60	%
MC49976-56	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	68	%
MC49976-56	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	55	%
MC49976-56	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	90	%
MC49976-60	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	47	%
MC49976-60	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	65	%
MC49976-60	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	53	%
MC49976-64	877-09-8	Decachlorobiphenyl (sig#2)	SAMP	SURR	175 ^b	%
MC49976-64	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	55	%
MC49976-64	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	66	%
MC49976-64	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	46	%
MC49976-64	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	88	%
MC49976-68	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	51	%
MC49976-68	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	73	%
MC49976-68	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	54	%
MC49976-72	877-09-8	Decachlorobiphenyl (sig#2)	SAMP	SURR	174 ^b	%
MC49976-72	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	48	%
MC49976-72	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	68	%
MC49976-72	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	82	%
MC49976-76	877-09-8	Decachlorobiphenyl (sig#2)	SAMP	SURR	474 ^b	%
MC49976-76	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	46	%
MC49976-76	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	58	%
MC49976-76	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	78	%
MC49976-76	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	374 ^b	%

- (a) Outside control limits. Associated samples are non-detect for this compound.
(b) Outside control limits due to possible matrix interference.
(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.
(d) Outside control limits. Individual spike recoveries within acceptance limits.
(e) Outside control limits due to possible matrix interference. Sample results confirmed by reanalysis.

* Sample used for QC is not from job MC49976

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3002-MB	M83286.D	1	03/30/17	DRY	n/a	n/a	MSM3002

The QC reported here applies to the following samples:

Method: SW846 8260C

MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	10	ug/kg	
71-43-2	Benzene	ND	0.50	ug/kg	
108-86-1	Bromobenzene	ND	5.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	ug/kg	
75-25-2	Bromoform	ND	2.0	ug/kg	
74-83-9	Bromomethane	ND	10	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	ug/kg	
75-00-3	Chloroethane	ND	10	ug/kg	
67-66-3	Chloroform	ND	2.0	ug/kg	
74-87-3	Chloromethane	ND	5.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	ug/kg	
108-20-3	Di-Isopropyl ether	ND	2.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/kg	

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3002-MB	M83286.D	1	03/30/17	DRY	n/a	n/a	MSM3002

The QC reported here applies to the following samples:

Method: SW846 8260C

MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20

CAS No.	Compound	Result	RL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	ug/kg	
123-91-1	1,4-Dioxane	ND	130	ug/kg	
60-29-7	Ethyl Ether	ND	5.0	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/kg	
591-78-6	2-Hexanone	ND	5.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	ug/kg	
75-09-2	Methylene chloride	ND	2.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	ug/kg	
100-42-5	Styrene	ND	5.0	ug/kg	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	ug/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	ug/kg	
109-99-9	Tetrahydrofuran	ND	10	ug/kg	
108-88-3	Toluene	ND	5.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/kg	
79-01-6	Trichloroethene	ND	2.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	10	ug/kg	
95-47-6	m,p Xylene	ND	2.0	ug/kg	
1330-20-7	o-Xylene	ND	2.0	ug/kg	
	Xylene (total)	ND	2.0	ug/kg	

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3002-MB	M83286.D	1	03/30/17	DRY	n/a	n/a	MSM3002

The QC reported here applies to the following samples:

MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20

Method: SW846 8260C

CAS No.	Surr ogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	65-141%
2037-26-5	Toluene-D8	103%
460-00-4	4-Bromofluorobenzene	98% 63-137%

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3003-MB	M83304.D	1	03/31/17	DRY	n/a	n/a	MSM3003

The QC reported here applies to the following samples:

MC49976-28, MC49976-32, MC49976-36, MC49976-40, MC49976-44, MC49976-48, MC49976-56, MC49976-60, MC49976-72

Method: SW846 8260C

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	10	ug/kg	
71-43-2	Benzene	ND	0.50	ug/kg	
108-86-1	Bromobenzene	ND	5.0	ug/kg	
74-97-5	BromoChloromethane	ND	5.0	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	ug/kg	
75-25-2	Bromoform	ND	2.0	ug/kg	
74-83-9	Bromomethane	ND	10	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	ug/kg	
98-06-6	terti-Butylbenzene	ND	5.0	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	ug/kg	
75-00-3	Chloroethane	ND	10	ug/kg	
67-66-3	Chloroform	ND	2.0	ug/kg	
74-87-3	Chloromethane	ND	5.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	ug/kg	
108-20-3	Di-Isopropyl ether	ND	2.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/kg	

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3003-MB	M83304.D	1	03/31/17	DRY	n/a	n/a	MSM3003

The QC reported here applies to the following samples:

Method: SW846 8260C

MC49976 28, MC49976 32, MC49976 36, MC49976 40, MC49976 44, MC49976 48, MC49976 56, MC49976 60, MC49976 72

CAS No.	Compound	Result	RL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	ug/kg	
123-91-1	1,4-Dioxane	ND	130	ug/kg	
60-29-7	Ethyl Ether	ND	5.0	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/kg	
591-78-6	2-Hexanone	ND	5.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	ug/kg	
75-09-2	Methylene chloride	ND	2.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	ug/kg	
100-42-5	Styrene	ND	5.0	ug/kg	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	ug/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	ug/kg	
109-99-9	Tetrahydrofuran	ND	10	ug/kg	
108-88-3	Toluene	ND	5.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/kg	
79-01-6	Trichloroethene	ND	2.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	10	ug/kg	
95-47-6	m,p-Xylene	ND	2.0	ug/kg	
	o-Xylene	ND	2.0	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	ug/kg	

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3003-MB	M83304.D	1	03/31/17	DRY	n/a	n/a	MSM3003

The QC reported here applies to the following samples:

Method: SW846 8260C

MC49976 28, MC49976 32, MC49976 36, MC49976 40, MC49976 44, MC49976 48, MC49976 56, MC49976 60, MC49976 72

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	130%
2037-26-5	Toluene-D8	104%
460-00-4	4-Bromofluorobenzene	98%

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	By	Prep Date	Prep Batch	Analytical Batch
MSM3004 MB	M83330.D	1	DRY	n/a	n/a	MSM3004

The QC reported here applies to the following samples:

MC49976-64, MC49976-68, MC49976-76

Method: SW846 8260C

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	10	ug/kg	
71-43-2	Benzene	ND	0.50	ug/kg	
108-86-1	Bromobenzene	ND	5.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	ug/kg	
75-25-2	Bromoform	ND	2.0	ug/kg	
74-83-9	Bromomethane	ND	10	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	ug/kg	
75-00-3	Chloroethane	ND	10	ug/kg	
67-66-3	Chloroform	ND	2.0	ug/kg	
74-87-3	Chloromethane	ND	5.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	ug/kg	
108-20-3	Di-Isopropyl ether	ND	2.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/kg	

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	By	Prep Date	Prep Batch	Analytical Batch
MSM3004-MB	M83330.D	1	DRY	n/a	n/a	MSM3004

The QC reported here applies to the following samples:

MC49976-64, MC49976-68, MC49976-76

Method: SW846 8260C

CAS No.	Compound	Result	RL	Units	Q
10061-01-5	cis 1,3-Dichloropropene	ND	2.0	ug/kg	
10061-02-6	trans 1,3-Dichloropropene	ND	2.0	ug/kg	
123-91-1	1,4-Dioxane	ND	130	ug/kg	
60-29-7	Ethyl Ether	ND	5.0	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/kg	
591-78-6	2-Hexanone	ND	5.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	ug/kg	
75-09-2	Methylene chloride	ND	2.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	ug/kg	
100-42-5	Styrene	ND	5.0	ug/kg	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	ug/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	ug/kg	
109-99-9	Tetrahydrofuran	ND	10	ug/kg	
108-88-3	Toluene	ND	5.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/kg	
79-01-6	Trichloroethene	ND	2.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	10	ug/kg	
	m,p-Xylene	ND	2.0	ug/kg	
95-47-6	o-Xylene	ND	2.0	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	ug/kg	

Method Blank Summary

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Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3004-MB	M83330.D	1	04/03/17	DRY	n/a	n/a	MSM3004

The QC reported here applies to the following samples:

MC49976 64, MC49976 68, MC49976 76

Method: SW846 8260C

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	65-141%
2037-26-5	Toluene-D8	107%
460-00-4	4-Bromofluorobenzene	102%

Method Blank Summary

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Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3005-MB	M83353.D	1	04/04/17	DRY	n/a	n/a	MSM3005

The QC reported here applies to the following samples:

MC49976 24

Method: SW846 8260C

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	10	ug/kg	
71-43-2	Benzene	ND	0.50	ug/kg	
108-86-1	Bromobenzene	ND	5.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	ug/kg	
75-25-2	Bromoform	ND	2.0	ug/kg	
74-83-9	Bromomethane	ND	10	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	ug/kg	
75-00-3	Chloroethane	ND	10	ug/kg	
67-66-3	Chloroform	ND	2.0	ug/kg	
74-87-3	Chloromethane	ND	5.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	ug/kg	
108-20-3	Di-Isopropyl ether	ND	2.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/kg	

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3005-MB	M83353.D	1	04/04/17	DRY	n/a	n/a	MSM3005

The QC reported here applies to the following samples:

MC 49976 24

Method: SW846 8260C

CAS No.	Compound	Result	RL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	ug/kg	
123-91-1	1,4-Dioxane	ND	130	ug/kg	
60-29-7	Ethyl Ether	ND	5.0	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/kg	
591-78-6	2-Hexanone	ND	5.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	ug/kg	
108-10-1	4-Methyl 2-pentanone (MIBK)	ND	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	ug/kg	
75-09-2	Methylene chloride	ND	2.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	ug/kg	
100-42-5	Styrene	ND	5.0	ug/kg	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	ug/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	ug/kg	
109-99-9	Tetrahydrofuran	ND	10	ug/kg	
108-88-3	Toluene	ND	5.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/kg	
79-01-6	Trichloroethene	ND	2.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	10	ug/kg	
	m,p Xylene	ND	2.0	ug/kg	
95-47-6	o-Xylene	ND	2.0	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	ug/kg	

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3005-MB	M83353.D	1	04/04/17	DRY	n/a	n/a	MSM3005

The QC reported here applies to the following samples:

MC49976 24

Method: SW846 8260C

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	138%
2037-26-5	Toluene-D8	108%
460-00-4	4-Bromofluorobenzene	100%

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

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Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3006 MB	M83412.D	1	04/06/17	DRY	n/a	n/a	MSM3006

The QC reported here applies to the following samples:

Method: SW846 8260C

MC49976 52

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	12.3	10	ug/kg	
71-43-2	Benzene	ND	0.50	ug/kg	
108-86-1	Bromobenzene	ND	5.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	ug/kg	
75-25-2	Bromoform	ND	2.0	ug/kg	
74-83-9	Bromomethane	ND	10	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	ug/kg	
75-00-3	Chloroethane	ND	10	ug/kg	
67-66-3	Chloroform	ND	2.0	ug/kg	
74-87-3	Chloromethane	ND	5.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	ug/kg	
108-20-3	Di-Isopropyl ether	ND	2.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/kg	
75-34-3	1,1 Dichloroethane	ND	2.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/kg	

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

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Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3006 MB	M83412.D	1	04/06/17	DRY	n/a	n/a	MSM3006

The QC reported here applies to the following samples:

Method: SW846 8260C

MC49976 52

CAS No.	Compound	Result	RL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	ug/kg	
123-91-1	1,4-Dioxane	ND	130	ug/kg	
60-29-7	Ethyl Ether	ND	5.0	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/kg	
591-78-6	2-Hexanone	ND	5.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	ug/kg	
75-09-2	Methylene chloride	0.51	2.0	ug/kg	J
91-20-3	Naphthalene	ND	5.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	ug/kg	
100-42-5	Styrene	ND	5.0	ug/kg	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	ug/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	ug/kg	
109-99-9	Tetrahydrofuran	ND	10	ug/kg	
108-88-3	Toluene	ND	5.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/kg	
79-01-6	Trichloroethene	ND	2.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	10	ug/kg	
95-47-6	m,p-Xylene	ND	2.0	ug/kg	
1330-20-7	o-Xylene	ND	2.0	ug/kg	
	Xylene (total)	ND	2.0	ug/kg	

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3006-MB	M83412.D	1	04/06/17	DRY	n/a	n/a	MSM3006

The QC reported here applies to the following samples:

MC49976-52

Method: SW846 8260C

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	65-141%
2037-26-5	Toluene-D8	65-129%
460-00-4	4-Bromofluorobenzene	63-137%

6.1.5



Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3002-BS	M83283.D	1	03/30/17	DRY	n/a	n/a	MSM3002
MSM3002-BSD	M83284.D	1	03/30/17	DRY	n/a	n/a	MSM3002

The QC reported here applies to the following samples:

MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20

Method: SW846 8260C

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	50	78.1	156	68.5	137	13	24-179/25
71-43-2	Benzene	50	50.9	102	50.5	101	1	73-115/25
108-86-1	Bromobenzene	50	50.9	102	51.1	102	0	76-121/25
74-97-5	Bromochloromethane	50	52.3	105	51.4	103	2	76-129/25
75-27-4	Bromodichloromethane	50	52.9	106	52.9	106	0	76-122/25
75-25-2	Bromoform	50	51.9	104	49.8	100	4	67-151/25
74-83-9	Bromomethane	50	43.7	87	46.6	93	6	52-139/25
78-93-3	2-Butanone (MEK)	50	76.5	153* ^a	64.5	129	17	32-151/25
104-51-8	n-Butylbenzene	50	61.4	123	60.0	120	2	71-124/25
135-98-8	sec-Butylbenzene	50	57.6	115	56.8	114	1	71-124/25
98-06-6	tert-Butylbenzene	50	47.8	96	46.1	92	4	66-125/25
75-15-0	Carbon disulfide	50	48.4	97	46.8	94	3	57-143/25
56-23-5	Carbon tetrachloride	50	56.9	114	55.2	110	3	73-129/25
108-90-7	Chlorobenzene	50	49.2	98	49.4	99	0	79-123/25
75-00-3	Chloroethane	50	47.2	94	51.9	104	9	51-159/25
67-66-3	Chloroform	50	54.0	108	52.7	105	2	72-122/25
74-87-3	Chloromethane	50	55.0	110	53.1	106	4	57-143/25
95-49-8	o-Chlorotoluene	50	54.8	110	54.8	110	0	68-121/25
106-43-4	p-Chlorotoluene	50	54.9	110	54.5	109	1	68-119/25
108-20-3	Di-Isopropyl ether	50	58.5	117	57.2	114	2	63-142/25
96-12-8	1,2-Dibromo-3-chloropropane	50	54.5	109	49.1	98	10	52-132/25
124-48-1	Dibromochloromethane	50	48.5	97	48.7	97	0	74-139/25
106-93-4	1,2-Dibromoethane	50	48.5	97	47.3	95	3	76-130/25
95-50-1	1,2-Dichlorobenzene	50	53.2	106	52.1	104	2	73-122/25
541-73-1	1,3-Dichlorobenzene	50	53.0	106	52.3	105	1	74-119/25
106-46-7	1,4-Dichlorobenzene	50	52.0	104	51.8	104	0	75-118/25
75-71-8	Dichlorodifluoromethane	50	52.5	105	49.5	99	6	11-183/25
75-34-3	1,1-Dichloroethane	50	54.8	110	53.4	107	3	70-128/25
107-06-2	1,2-Dichloroethane	50	54.0	108	52.6	105	3	70-126/25
75-35-4	1,1-Dichloroethene	50	54.4	109	53.1	106	2	71-136/25
156-59-2	cis-1,2-Dichloroethene	50	53.7	107	52.2	104	3	78-128/25
156-60-5	trans-1,2-Dichloroethene	50	54.2	108	52.2	104	4	71-131/25
78-87-5	1,2-Dichloropropane	50	52.4	105	52.1	104	1	79-124/25
142-28-9	1,3-Dichloropropane	50	49.5	99	49.3	99	0	78-128/25
594-20-7	2,2-Dichloropropane	50	59.9	120	57.6	115	4	54-145/25
563-58-6	1,1-Dichloropropene	50	55.6	111	54.4	109	2	67-125/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

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Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3002-BS	M83283.D	1	03/30/17	DRY	n/a	n/a	MSM3002
MSM3002-BSD	M83284.D	1	03/30/17	DRY	n/a	n/a	MSM3002

The QC reported here applies to the following samples:

Method: SW846 8260C

MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
10061-01-5	cis-1,3-Dichloropropene	50	53.4	107	54.4	109	2	75-126/25
10061-02-6	trans-1,3-Dichloropropene	50	55.3	111	54.5	109	1	75-128/25
123-91-1	1,4-Dioxane	250	282	113	279	112	1	48-156/25
60-29-7	Ethyl Ether	50	56.3	113	53.6	107	5	68-141/25
100-41-4	Ethylbenzene	50	52.9	106	52.6	105	1	76-122/25
87-68-3	Hexachlorobutadiene	50	56.9	114	55.6	111	2	73-137/25
591-78-6	2-Hexanone	50	67.0	134	58.3	117	14	26-169/25
98-82-8	Isopropylbenzene	50	56.8	114	56.5	113	1	69-124/25
99-87-6	p-Isopropyltoluene	50	59.4	119	58.8	118	1	73-124/25
1634-04-4	Methyl Tert Butyl Ether	50	57.3	115	54.6	109	5	58-133/25
108-10-1	4-Methyl-2-pentanone (MIBK)	50	60.6	121	54.5	109	11	43-166/25
74-95-3	Methylene bromide	50	52.1	104	50.9	102	2	76-125/25
75-09-2	Methylene chloride	50	51.4	103	50.0	100	3	74-125/25
91-20-3	Naphthalene	50	59.0	118	54.7	109	8	39-158/25
103-65-1	n-Propylbenzene	50	56.5	113	55.8	112	1	69-121/25
100-42-5	Styrene	50	55.7	111	55.7	111	0	79-124/25
994-05-8	tert-Amyl Methyl Ether	50	57.8	116	56.4	113	2	32-153/25
637-92-3	tert-Butyl Ethyl Ether	50	57.9	116	56.0	112	3	41-147/25
630-20-6	1,1,1,2-Tetrachloroethane	50	51.0	102	50.1	100	2	75-136/25
79-34-5	1,1,2,2-Tetrachloroethane	50	50.2	100	47.9	96	5	66-134/25
127-18-4	Tetrachloroethene	50	50.7	101	50.7	101	0	76-125/25
109-99-9	Tetrahydrofuran	50	55.8	112	52.6	105	6	34-177/25
108-88-3	Toluene	50	51.9	104	52.1	104	0	76-119/25
87-61-6	1,2,3-Trichlorobenzene	50	58.0	116	54.4	109	6	52-146/25
120-82-1	1,2,4-Trichlorobenzene	50	59.3	119	56.3	113	5	66-133/25
71-55-6	1,1,1-Trichloroethane	50	56.6	113	54.3	109	4	70-130/25
79-00-5	1,1,2-Trichloroethane	50	51.0	102	49.9	100	2	75-124/25
79-01-6	Trichloroethene	50	52.5	105	51.6	103	2	74-127/25
75-69-4	Trichlorofluoromethane	50	57.8	116	55.2	110	5	48-156/25
96-18-4	1,2,3-Trichloropropane	50	50.9	102	49.4	99	3	65-130/25
95-63-6	1,2,4-Trimethylbenzene	50	58.2	116	57.3	115	2	69-119/25
108-67-8	1,3,5-Trimethylbenzene	50	57.3	115	56.5	113	1	69-123/25
75-01-4	Vinyl chloride	50	56.3	113	53.2	106	6	33-166/25
95-47-6	m,p-Xylene	100	109	109	108	108	1	78-122/25
1330-20-7	o-Xylene	50	56.3	113	56.5	113	0	77-123/25
	Xylene (total)	150	165	110	165	110	0	78-122/25

* = Outside of Control Limits.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

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Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3002-BS	M83283.D	1	03/30/17	DRY	n/a	n/a	MSM3002
MSM3002-BSD	M83284.D	1	03/30/17	DRY	n/a	n/a	MSM3002

The QC reported here applies to the following samples:

Method: SW846 8260C

MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	104%	101%	65-141%
2037-26-5	Toluene-D8	102%	102%	65-129%
460-00-4	4-Bromofluorobenzene	99%	100%	63-137%

(a) Outside control limits. Associated samples are non-detect for this compound.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

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Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3003-BS	M83301.D	1	03/31/17	DRY	n/a	n/a	MSM3003
MSM3003-BSD	M83302.D	1	03/31/17	DRY	n/a	n/a	MSM3003

The QC reported here applies to the following samples:

Method: SW846 8260C

MC49976-28, MC49976-32, MC49976-36, MC49976-40, MC49976-44, MC49976-48, MC49976-56, MC49976-60, MC49976-72

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	50	78.7	157	87.1	174	10	24-179/25
71-43-2	Benzene	50	51.8	104	53.0	106	2	73-115/25
108-86-1	Bromobenzene	50	50.8	102	52.6	105	3	76-121/25
74-97-5	Bromochloromethane	50	53.8	108	54.1	108	1	76-129/25
75-27-4	Bromodichloromethane	50	55.5	111	55.9	112	1	76-122/25
75-25-2	Bromoform	50	53.4	107	51.4	103	4	67-151/25
74-83-9	Bromomethane	50	45.9	92	48.7	97	6	52-139/25
78-93-3	2-Butanone (MEK)	50	74.3	149	71.7	143	4	32-151/25
104-51-8	n-Butylbenzene	50	57.0	114	62.2	124	9	71-124/25
135-98-8	sec-Butylbenzene	50	55.0	110	58.9	118	7	66-125/25
98-06-6	tert-Butylbenzene	50	46.2	92	57.0	114	21	57-143/25
75-15-0	Carbon disulfide	50	46.8	94	48.1	96	3	73-129/25
56-23-5	Carbon tetrachloride	50	56.1	112	58.0	116	3	79-123/25
108-90-7	Chlorobenzene	50	48.7	97	50.8	102	4	51-159/25
75-00-3	Chloroethane	50	51.2	102	55.5	111	8	72-122/25
67-66-3	Chloroform	50	55.1	110	56.7	113	3	57-143/25
74-87-3	Chloromethane	50	52.8	106	54.4	109	3	68-121/25
95-49-8	o-Chlorotoluene	50	53.9	108	56.8	114	5	68-119/25
106-43-4	p-Chlorotoluene	50	54.0	108	56.8	114	5	63-142/25
108-20-3	Di-Isopropyl ether	50	58.7	117	59.5	119	1	52-132/25
96-12-8	1,2-Dibromo-3-chloropropane	50	56.6	113	52.9	106	7	74-139/25
124-48-1	Dibromochloromethane	50	50.6	101	50.3	101	1	76-130/25
106-93-4	1,2-Dibromoethane	50	50.9	102	49.6	99	3	73-122/25
95-50-1	1,2-Dichlorobenzene	50	51.0	102	52.9	106	4	74-119/25
541-73-1	1,3-Dichlorobenzene	50	51.3	103	53.8	108	5	75-118/25
106-46-7	1,4-Dichlorobenzene	50	50.1	100	52.8	106	5	11-183/25
75-71-8	Dichlorodifluoromethane	50	46.4	93	49.4	99	6	70-128/25
75-34-3	1,1-Dichloroethane	50	55.4	111	55.9	112	1	70-126/25
107-06-2	1,2-Dichloroethane	50	58.2	116	56.8	114	2	71-136/25
75-35-4	1,1-Dichloroethene	50	52.0	104	55.0	110	6	78-128/25
156-59-2	cis-1,2-Dichloroethene	50	53.1	106	54.6	109	3	71-131/25
156-60-5	trans-1,2-Dichloroethene	50	52.9	106	55.5	111	5	79-124/25
78-87-5	1,2-Dichloropropane	50	53.8	108	54.2	108	1	78-128/25
142-28-9	1,3-Dichloropropane	50	51.9	104	51.9	104	0	54-145/25
594-20-7	2,2-Dichloropropane	50	56.6	113	60.5	121	7	67-125/25
563-58-6	1,1-Dichloropropene	50	55.7	111	58.0	116	4	

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

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Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3003-BS	M83301.D	1	03/31/17	DRY	n/a	n/a	MSM3003
MSM3003-BSD	M83302.D	1	03/31/17	DRY	n/a	n/a	MSM3003

The QC reported here applies to the following samples:

Method: SW846 8260C

MC49976-28, MC49976-32, MC49976-36, MC49976-40, MC49976-44, MC49976-48, MC49976-56, MC49976-60, MC49976-72

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
10061-01-5	cis-1,3-Dichloropropene	50	56.5	113	57.0	114	1	75-126/25
10061-02-6	trans-1,3-Dichloropropene	50	58.8	118	58.2	116	1	75-128/25
123-91-1	1,4-Dioxane	250	342	137	277	111	21	48-156/25
60-29-7	Ethyl Ether	50	57.3	115	56.9	114	1	68-141/25
100-41-4	Ethylbenzene	50	51.9	104	54.4	109	5	76-122/25
87-68-3	Hexachlorobutadiene	50	51.0	102	56.2	112	10	73-137/25
591-78-6	2-Hexanone	50	66.2	132	64.1	128	3	26-169/25
98-82-8	Isopropylbenzene	50	54.5	109	58.3	117	7	69-124/25
99-87-6	p-Isopropyltoluene	50	56.1	112	60.5	121	8	73-124/25
1634-04-4	Methyl Tert Butyl Ether	50	58.2	116	57.2	114	2	58-133/25
108-10-1	4-Methyl-2-pentanone (MIBK)	50	64.5	129	60.6	121	6	43-166/25
74-95-3	Methylene bromide	50	55.4	111	54.7	109	1	76-125/25
75-09-2	Methylene chloride	50	50.9	102	51.9	104	2	74-125/25
91-20-3	Naphthalene	50	56.4	113	56.2	112	0	39-158/25
103-65-1	n-Propylbenzene	50	54.6	109	58.4	117	7	69-121/25
100-42-5	Styrene	50	55.5	111	57.5	115	4	79-124/25
994-05-8	tert-Amyl Methyl Ether	50	58.8	118	57.7	115	2	32-153/25
637-92-3	tert-Butyl Ethyl Ether	50	57.7	115	58.9	118	2	41-147/25
630-20-6	1,1,1,2-Tetrachloroethane	50	50.2	100	51.6	103	3	75-136/25
79-34-5	1,1,2,2-Tetrachloroethane	50	51.8	104	50.6	101	2	66-134/25
127-18-4	Tetrachloroethene	50	48.9	98	51.7	103	6	76-125/25
109-99-9	Tetrahydrofuran	50	62.7	125	57.4	115	9	34-177/25
108-88-3	Toluene	50	53.4	107	54.8	110	3	76-119/25
87-61-6	1,2,3-Trichlorobenzene	50	51.9	104	54.9	110	6	52-146/25
120-82-1	1,2,4-Trichlorobenzene	50	51.9	104	57.0	114	9	66-133/25
71-55-6	1,1,1-Trichloroethane	50	55.3	111	57.5	115	4	70-130/25
79-00-5	1,1,2-Trichloroethane	50	54.4	109	53.1	106	2	75-124/25
79-01-6	Trichloroethene	50	52.9	106	53.9	108	2	74-127/25
75-69-4	Trichlorofluoromethane	50	55.5	111	58.3	117	5	48-156/25
96-18-4	1,2,3-Trichloropropane	50	53.6	107	52.7	105	2	65-130/25
95-63-6	1,2,4-Trimethylbenzene	50	55.7	111	59.6	119	7	69-119/25
108-67-8	1,3,5-Trimethylbenzene	50	55.0	110	58.9	118	7	69-123/25
75-01-4	Vinyl chloride	50	52.6	105	55.4	111	5	33-166/25
95-47-6	m,p-Xylene	100	107	107	112	112	5	78-122/25
1330-20-7	o-Xylene	50	55.2	110	57.7	115	4	77-123/25
	Xylene (total)	150	162	108	170	113	5	78-122/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3003-BS	M83301.D	1	03/31/17	DRY	n/a	n/a	MSM3003
MSM3003-BSD	M83302.D	1	03/31/17	DRY	n/a	n/a	MSM3003

The QC reported here applies to the following samples:

Method: SW846 8260C

MC49976 28, MC49976 32, MC49976 36, MC49976 40, MC49976 44, MC49976 48, MC49976 56, MC49976 60, MC49976 72

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	104%	103%	65-141%
2037-26-5	Toluene-D8	103%	103%	65-129%
460-00-4	4-Bromofluorobenzene	101%	101%	63-137%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3004-BS	M83327.D	1	04/03/17	DRY	n/a	n/a	MSM3004
MSM3004-BSD	M83328.D	1	04/03/17	DRY	n/a	n/a	MSM3004

The QC reported here applies to the following samples:

Method: SW846 8260C

MC49976 64, MC49976 68, MC49976 76

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	50	69.1	138	60.1	120	14	24-179/25
71-43-2	Benzene	50	53.8	108	53.5	107	1	73-115/25
108-86-1	Bromobenzene	50	47.2	94	49.1	98	4	76-121/25
74-97-5	Bromochloromethane	50	53.8	108	52.7	105	2	76-129/25
75-27-4	Bromodichloromethane	50	55.2	110	54.7	109	1	76-122/25
75-25-2	Bromoform	50	48.6	97	49.3	99	1	67-151/25
74-83-9	Bromomethane	50	47.0	94	45.9	92	2	52-139/25
78-93-3	2-Butanone (MEK)	50	71.6	143	60.4	121	17	32-151/25
104-51-8	n-Butylbenzene	50	57.9	116	58.8	118	2	71-124/25
135-98-8	sec-Butylbenzene	50	54.5	109	55.9	112	3	71-124/25
98-06-6	tert-Butylbenzene	50	45.6	91	45.9	92	1	66-125/25
75-15-0	Carbon disulfide	50	51.2	102	48.4	97	6	57-143/25
56-23-5	Carbon tetrachloride	50	54.2	108	51.4	103	5	73-129/25
108-90-7	Chlorobenzene	50	45.4	91	47.0	94	3	79-123/25
75-00-3	Chloroethane	50	49.4	99	46.7	93	6	51-159/25
67-66-3	Chloroform	50	58.2	116	56.9	114	2	72-122/25
74-87-3	Chloromethane	50	50.4	101	47.5	95	6	57-143/25
95-49-8	o-Chlorotoluene	50	53.6	107	55.4	111	3	68-121/25
106-43-4	p-Chlorotoluene	50	52.4	105	54.8	110	4	68-119/25
108-20-3	Di-Isopropyl ether	50	59.1	118	57.3	115	3	63-142/25
96-12-8	1,2-Dibromo-3-chloropropane	50	51.7	103	52.3	105	1	52-132/25
124-48-1	Dibromochloromethane	50	44.9	90	46.4	93	3	74-139/25
106-93-4	1,2-Dibromoethane	50	45.6	91	47.2	94	3	76-130/25
95-50-1	1,2-Dichlorobenzene	50	49.3	99	50.2	100	2	73-122/25
541-73-1	1,3-Dichlorobenzene	50	49.1	98	50.4	101	3	74-119/25
106-46-7	1,4-Dichlorobenzene	50	48.0	96	49.9	100	4	75-118/25
75-71-8	Dichlorodifluoromethane	50	43.1	86	38.1	76	12	11-183/25
75-34-3	1,1-Dichloroethane	50	57.8	116	56.1	112	3	70-128/25
107-06-2	1,2-Dichloroethane	50	56.2	112	54.9	110	2	70-126/25
75-35-4	1,1-Dichloroethene	50	55.2	110	53.3	107	4	71-136/25
156-59-2	cis-1,2-Dichloroethene	50	56.9	114	55.8	112	2	78-128/25
156-60-5	trans-1,2-Dichloroethene	50	57.0	114	54.5	109	4	71-131/25
78-87-5	1,2-Dichloropropane	50	54.7	109	54.8	110	0	79-124/25
142-28-9	1,3-Dichloropropane	50	50.1	100	51.3	103	2	78-128/25
594-20-7	2,2-Dichloropropane	50	56.2	112	54.2	108	4	54-145/25
563-58-6	1,1-Dichloropropene	50	56.8	114	55.8	112	2	67-125/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

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Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3004-BS	M83327.D	1	04/03/17	DRY	n/a	n/a	MSM3004
MSM3004-BSD	M83328.D	1	04/03/17	DRY	n/a	n/a	MSM3004

The QC reported here applies to the following samples:

Method: SW846 8260C

MC49976-64, MC49976-68, MC49976-76

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
10061-01-5	cis-1,3-Dichloropropene	50	54.5	109	56.1	112	3	75-126/25
10061-02-6	trans-1,3-Dichloropropene	50	55.9	112	58.0	116	4	75-128/25
123-91-1	1,4-Dioxane	250	241	96	238	95	1	48-156/25
60-29-7	Ethyl Ether	50	57.7	115	56.3	113	2	68-141/25
100-41-4	Ethylbenzene	50	50.2	100	51.5	103	3	76-122/25
87-68-3	Hexachlorobutadiene	50	52.4	105	52.1	104	1	73-137/25
591-78-6	2-Hexanone	50	52.1	104	49.3	99	6	26-169/25
98-82-8	Isopropylbenzene	50	53.3	107	54.8	110	3	69-124/25
99-87-6	p-Isopropyltoluene	50	54.3	109	55.5	111	2	73-124/25
1634-04-4	Methyl Tert Butyl Ether	50	58.6	117	56.7	113	3	58-133/25
108-10-1	4-Methyl-2-pentanone (MIBK)	50	56.9	114	54.9	110	4	43-166/25
74-95-3	Methylene bromide	50	54.5	109	53.6	107	2	76-125/25
75-09-2	Methylene chloride	50	56.3	113	53.7	107	5	74-125/25
91-20-3	Naphthalene	50	52.2	104	52.2	104	0	39-158/25
103-65-1	n-Propylbenzene	50	55.1	110	56.7	113	3	69-121/25
100-42-5	Styrene	50	52.8	106	54.1	108	2	79-124/25
994-05-8	tert-Amyl Methyl Ether	50	57.7	115	56.1	112	3	32-153/25
637-92-3	tert-Butyl Ethyl Ether	50	57.0	114	56.5	113	1	41-147/25
630-20-6	1,1,1,2-Tetrachloroethane	50	46.3	93	46.1	92	0	75-136/25
79-34-5	1,1,2,2-Tetrachloroethane	50	51.1	102	52.5	105	3	66-134/25
127-18-4	Tetrachloroethene	50	44.6	89	45.9	92	3	76-125/25
109-99-9	Tetrahydrofuran	50	56.5	113	56.0	112	1	34-177/25
108-88-3	Toluene	50	53.2	106	54.0	108	1	76-119/25
87-61-6	1,2,3-Trichlorobenzene	50	50.7	101	49.8	100	2	52-146/25
120-82-1	1,2,4-Trichlorobenzene	50	49.8	100	50.1	100	1	66-133/25
71-55-6	1,1,1 Trichloroethane	50	56.7	113	54.0	108	5	70-130/25
79-00-5	1,1,2-Trichloroethane	50	54.4	109	54.9	110	1	75-124/25
79-01-6	Trichloroethene	50	51.6	103	51.7	103	0	74-127/25
75-69-4	Trichlorofluoromethane	50	56.1	112	52.3	105	7	48-156/25
96-18-4	1,2,3-Trichloropropane	50	51.5	103	53.7	107	4	65-130/25
95-63-6	1,2,4-Trimethylbenzene	50	55.3	111	56.5	113	2	69-119/25
108-67-8	1,3,5-Trimethylbenzene	50	54.8	110	56.4	113	3	69-123/25
75-01-4	Vinyl chloride	50	56.5	113	52.4	105	8	33-166/25
95-47-6	m,p-Xylene	100	100	100	104	104	4	78-122/25
1330-20-7	o-Xylene	50	52.3	105	53.0	106	1	77-123/25
	Xylene (total)	150	153	102	157	105	3	78-122/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

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Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3004-BS	M83327.D	1	04/03/17	DRY	n/a	n/a	MSM3004
MSM3004-BSD	M83328.D	1	04/03/17	DRY	n/a	n/a	MSM3004

The QC reported here applies to the following samples:

Method: SW846 8260C

MC49976-64, MC49976-68, MC49976-76

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	111%	107%	65-141%
2037-26-5	Toluene D8	105%	104%	65-129%
460-00-4	4-Bromofluorobenzene	99%	103%	63-137%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Page 1 of 3

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3005-BS	M83350.D	1	04/04/17	DRY	n/a	n/a	MSM3005
MSM3005-BSD	M83351.D	1	04/04/17	DRY	n/a	n/a	MSM3005

The QC reported here applies to the following samples:

MC49976 24

Method: SW846 8260C

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	50	71.7	143	74.4	149	4	24-179/25
71-43-2	Benzene	50	55.9	112	47.6	95	16	73-115/25
108-86-1	Bromobenzene	50	51.6	103	43.2	86	18	76-121/25
74-97-5	Bromochloromethane	50	54.5	109	46.5	93	16	76-129/25
75-27-4	Bromodichloromethane	50	57.3	115	48.3	97	17	76-122/25
75-25-2	Bromoform	50	48.9	98	42.7	85	14	67-151/25
74-83-9	Bromomethane	50	52.4	105	38.3	77	31* a	52-139/25
78-93-3	2-Butanone (MEK)	50	74.2	148	74.5	149	0	32-151/25
104-51-8	n-Butylbenzene	50	62.0	124	53.5	107	15	71-124/25
135-98-8	sec-Butylbenzene	50	58.0	116	49.4	99	16	71-124/25
98-06-6	tert-Butylbenzene	50	56.8	114	47.8	96	17	66-125/25
75-15-0	Carbon disulfide	50	48.2	96	40.4	81	18	57-143/25
56-23-5	Carbon tetrachloride	50	54.6	109	46.6	93	16	73-129/25
108-90-7	Chlorobenzene	50	48.4	97	41.5	83	15	79-123/25
75-00-3	Chloroethane	50	53.7	107	44.9	90	18	51-159/25
67-66-3	Chloroform	50	59.7	119	50.5	101	17	72-122/25
74-87-3	Chloromethane	50	45.8	92	35.7	71	25	57-143/25
95-49-8	o-Chlorotoluene	50	58.4	117	49.3	99	17	68-121/25
106-43-4	p-Chlorotoluene	50	57.7	115	49.3	99	16	68-119/25
108-20-3	Di-Isopropyl ether	50	59.5	119	50.2	100	17	63-142/25
96-12-8	1,2-Dibromo-3-chloropropane	50	51.6	103	45.6	91	12	52-132/25
124-48-1	Dibromochloromethane	50	46.7	93	40.2	80	15	74-139/25
106-93-4	1,2-Dibromoethane	50	46.4	93	41.0	82	12	76-130/25
95-50-1	1,2-Dichlorobenzene	50	52.6	105	44.7	89	16	73-122/25
541-73-1	1,3-Dichlorobenzene	50	53.4	107	45.9	92	15	74-119/25
106-46-7	1,4-Dichlorobenzene	50	52.0	104	45.0	90	14	75-118/25
75-71-8	Dichlorodifluoromethane	50	33.2	66	24.0	48	32* a	11-183/25
75-34-3	1,1-Dichloroethane	50	59.3	119	49.9	100	17	70-128/25
107-06-2	1,2-Dichloroethane	50	57.7	115	48.6	97	17	70-126/25
75-35-4	1,1-Dichloroethene	50	54.0	108	46.0	92	16	71-136/25
156-59-2	cis-1,2-Dichloroethene	50	57.7	115	48.8	98	17	78-128/25
156-60-5	trans-1,2-Dichloroethene	50	56.8	114	48.4	97	16	71-131/25
78-87-5	1,2-Dichloropropane	50	57.1	114	48.1	96	17	79-124/25
142-28-9	1,3-Dichloropropane	50	51.7	103	44.6	89	15	78-128/25
594-20-7	2,2-Dichloropropane	50	60.2	120	51.7	103	15	54-145/25
563-58-6	1,1-Dichloropropene	50	58.6	117	50.2	100	15	67-125/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

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Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3005-BS	M83350.D	1	04/04/17	DRY	n/a	n/a	MSM3005
MSM3005-BSD	M83351.D	1	04/04/17	DRY	n/a	n/a	MSM3005

The QC reported here applies to the following samples:

MC49976 24

Method: SW846 8260C

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
10061-01-5	cis-1,3-Dichloropropene	50	58.2	116	49.6	99	16	75-126/25
10061-02-6	trans-1,3-Dichloropropene	50	60.3	121	50.6	101	17	75-128/25
123-91-1	1,4-Dioxane	250	268	107	252	101	6	48-156/25
60-29-7	Ethyl Ether	50	57.3	115	49.5	99	15	68-141/25
100-41-4	Ethylbenzene	50	53.3	107	45.5	91	16	76-122/25
87-68-3	Hexachlorobutadiene	50	55.4	111	47.9	96	15	73-137/25
591-78-6	2-Hexanone	50	52.7	105	53.1	106	1	26-169/25
98-82-8	Isopropylbenzene	50	57.1	114	48.1	96	17	69-124/25
99-87-6	p-Isopropyltoluene	50	57.9	116	49.5	99	16	73-124/25
1634-04-4	Methyl Tert Butyl Ether	50	57.9	116	49.6	99	15	58-133/25
108-10-1	4-Methyl-2-pentanone (MIBK)	50	55.6	111	50.0	100	11	43-166/25
74-95-3	Methylene bromide	50	55.1	110	47.6	95	15	76-125/25
75-09-2	Methylene chloride	50	56.1	112	48.3	97	15	74-125/25
91-20-3	Naphthalene	50	52.3	105	45.8	92	13	39-158/25
103-65-1	n-Propylbenzene	50	59.1	118	50.6	101	15	69-121/25
100-42-5	Styrene	50	56.0	112	47.7	95	16	79-124/25
994-05-8	tert-Amyl Methyl Ether	50	58.6	117	50.2	100	15	32-153/25
637-92-3	tert-Butyl Ethyl Ether	50	58.3	117	49.3	99	17	41-147/25
630-20-6	1,1,1,2-Tetrachloroethane	50	48.3	97	40.8	82	17	75-136/25
79-34-5	1,1,2,2-Tetrachloroethane	50	52.4	105	45.6	91	14	66-134/25
127-18-4	Tetrachloroethene	50	47.3	95	41.2	82	14	76-125/25
109-99-9	Tetrahydrofuran	50	55.3	111	49.7	99	11	34-177/25
108-88-3	Toluene	50	56.4	113	48.1	96	16	76-119/25
87-61-6	1,2,3-Trichlorobenzene	50	52.4	105	45.7	91	14	52-146/25
120-82-1	1,2,4-Trichlorobenzene	50	52.4	105	46.1	92	13	66-133/25
71-55-6	1,1,1-Trichloroethane	50	57.8	116	48.9	98	17	70-130/25
79-00-5	1,1,2-Trichloroethane	50	56.4	113	48.1	96	16	75-124/25
79-01-6	Trichloroethene	50	53.7	107	45.9	92	16	74-127/25
75-69-4	Trichlorofluoromethane	50	53.7	107	44.8	90	18	48-156/25
96-18-4	1,2,3-Trichloropropane	50	54.5	109	46.6	93	16	65-130/25
95-63-6	1,2,4-Trimethylbenzene	50	59.5	119	50.2	100	17	69-119/25
108-67-8	1,3,5-Trimethylbenzene	50	58.6	117	49.5	99	17	69-123/25
75-01-4	Vinyl chloride	50	51.6	103	41.6	83	21	33-166/25
95-47-6	m,p-Xylene	100	107	107	92.4	92	15	78-122/25
1330-20-7	o-Xylene	50	54.9	110	46.7	93	16	77-123/25
	Xylene (total)	150	162	108	139	93	15	78-122/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

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Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3005-BS	M83350.D	1	04/04/17	DRY	n/a	n/a	MSM3005
MSM3005-BSD	M83351.D	1	04/04/17	DRY	n/a	n/a	MSM3005

The QC reported here applies to the following samples:

MC49976 24

Method: SW846 8260C

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	107%	107%	65-141%
2037-26-5	Toluene-D8	104%	104%	65-129%
460-00-4	4-Bromofluorobenzene	100%	102%	63-137%

(a) Outside control limits. Individual spike recoveries within acceptance limits.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

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Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3006-BS	M83409.D	1	04/06/17	DRY	n/a	n/a	MSM3006
MSM3006-BSD	M83410.D	1	04/06/17	DRY	n/a	n/a	MSM3006

The QC reported here applies to the following samples:

MC49976 52

Method: SW846 8260C

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	50	66.7	133	60.1	120	10	24-179/25
71-43-2	Benzene	50	50.7	101	50.5	101	0	73-115/25
108-86-1	Bromobenzene	50	50.8	102	49.8	100	2	76-121/25
74-97-5	Bromochloromethane	50	51.5	103	51.9	104	1	76-129/25
75-27-4	Bromodichloromethane	50	49.1	98	48.4	97	1	76-122/25
75-25-2	Bromoform	50	54.8	110	52.0	104	5	67-151/25
74-83-9	Bromomethane	50	48.9	98	51.0	102	4	52-139/25
78-93-3	2-Butanone (MEK)	50	69.4	139	66.2	132	5	32-151/25
104-51-8	n-Butylbenzene	50	54.9	110	53.0	106	4	71-124/25
135-98-8	sec-Butylbenzene	50	52.8	106	52.3	105	1	71-124/25
98-06-6	tert-Butylbenzene	50	46.7	93	53.6	107	14	66-125/25
75-15-0	Carbon disulfide	50	50.5	101	51.8	104	3	57-143/25
56-23-5	Carbon tetrachloride	50	49.9	100	49.7	99	0	73-129/25
108-90-7	Chlorobenzene	50	52.6	105	51.4	103	2	79-123/25
75-00-3	Chloroethane	50	51.8	104	54.4	109	5	51-159/25
67-66-3	Chloroform	50	47.6	95	47.7	95	0	72-122/25
74-87-3	Chloromethane	50	47.1	94	49.4	99	5	57-143/25
95-49-8	o-Chlorotoluene	50	51.2	102	50.3	101	2	68-121/25
106-43-4	p-Chlorotoluene	50	51.1	102	50.5	101	1	68-119/25
108-20-3	Di-Isopropyl ether	50	50.2	100	51.1	102	2	63-142/25
96-12-8	1,2-Dibromo-3-chloropropane	50	49.5	99	47.4	95	4	52-132/25
124-48-1	Dibromochloromethane	50	53.6	107	52.3	105	2	74-139/25
106-93-4	1,2-Dibromoethane	50	51.8	104	50.4	101	3	76-130/25
95-50-1	1,2-Dichlorobenzene	50	50.8	102	50.3	101	1	73-122/25
541-73-1	1,3-Dichlorobenzene	50	52.4	105	50.9	102	3	74-119/25
106-46-7	1,4-Dichlorobenzene	50	51.9	104	50.4	101	3	75-118/25
75-71-8	Dichlorodifluoromethane	50	45.3	91	47.5	95	5	11-183/25
75-34-3	1,1-Dichloroethane	50	49.3	99	50.1	100	2	70-128/25
107-06-2	1,2-Dichloroethane	50	46.5	93	45.4	91	2	70-126/25
75-35-4	1,1-Dichloroethene	50	50.7	101	51.6	103	2	71-136/25
156-59-2	cis-1,2-Dichloroethene	50	50.0	100	50.7	101	1	78-128/25
156-60-5	trans-1,2-Dichloroethene	50	50.2	100	51.0	102	2	71-131/25
78-87-5	1,2-Dichloropropane	50	50.2	100	50.5	101	1	79-124/25
142-28-9	1,3-Dichloropropane	50	50.1	100	48.9	98	2	78-128/25
594-20-7	2,2-Dichloropropane	50	50.7	101	51.5	103	2	54-145/25
563-58-6	1,1-Dichloropropene	50	51.2	102	50.5	101	1	67-125/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Page 2 of 3

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3006-BS	M83409.D	1	04/06/17	DRY	n/a	n/a	MSM3006
MSM3006-BSD	M83410.D	1	04/06/17	DRY	n/a	n/a	MSM3006

The QC reported here applies to the following samples:

Method: SW846 8260C

MC49976-52

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
10061-01-5	cis-1,3-Dichloropropene	50	51.0	102	50.6	101	1	75-126/25
10061-02-6	trans-1,3-Dichloropropene	50	52.4	105	50.5	101	4	75-128/25
123-91-1	1,4-Dioxane	250	322	129	295	118	9	48-156/25
60-29-7	Ethyl Ether	50	50.0	100	50.1	100	0	68-141/25
100-41-4	Ethylbenzene	50	51.7	103	51.0	102	1	76-122/25
87-68-3	Hexachlorobutadiene	50	53.5	107	52.9	106	1	73-137/25
591-78-6	2-Hexanone	50	58.0	116	50.0	100	15	26-169/25
98-82-8	Isopropylbenzene	50	52.4	105	52.0	104	1	69-124/25
99-87-6	p-Isopropyltoluene	50	54.3	109	53.2	106	2	73-124/25
1634-04-4	Methyl Tert Butyl Ether	50	48.3	97	48.6	97	1	58-133/25
108-10-1	4-Methyl-2-pentanone (MIBK)	50	52.9	106	47.9	96	10	43-166/25
74-95-3	Methylene bromide	50	49.6	99	48.6	97	2	76-125/25
75-09-2	Methylene chloride	50	48.8	98	50.5	101	3	74-125/25
91-20-3	Naphthalene	50	53.4	107	51.6	103	3	39-158/25
103-65-1	n-Propylbenzene	50	53.0	106	51.4	103	3	69-121/25
100-42-5	Styrene	50	53.6	107	52.6	105	2	79-124/25
994-05-8	tert-Amyl Methyl Ether	50	49.4	99	48.4	97	2	32-153/25
637-92-3	tert-Butyl Ethyl Ether	50	49.0	98	49.7	99	1	41-147/25
630-20-6	1,1,1,2-Tetrachloroethane	50	52.5	105	52.5	105	0	75-136/25
79-34-5	1,1,2,2-Tetrachloroethane	50	52.1	104	49.6	99	5	66-134/25
127-18-4	Tetrachloroethene	50	52.3	105	51.4	103	2	76-125/25
109-99-9	Tetrahydrofuran	50	52.5	105	47.9	96	9	34-177/25
108-88-3	Toluene	50	49.8	100	49.8	100	0	76-119/25
87-61-6	1,2,3-Trichlorobenzene	50	52.9	106	52.4	105	1	52-146/25
120-82-1	1,2,4-Trichlorobenzene	50	55.4	111	54.5	109	2	66-133/25
71-55-6	1,1,1-Trichloroethane	50	48.1	96	49.1	98	2	70-130/25
79-00-5	1,1,2-Trichloroethane	50	47.7	95	47.7	95	0	75-124/25
79-01-6	Trichloroethene	50	49.7	99	48.8	98	2	74-127/25
75-69-4	Trichlorofluoromethane	50	47.8	96	48.5	97	1	48-156/25
96-18-4	1,2,3-Trichloropropane	50	49.0	98	46.7	93	5	65-130/25
95-63-6	1,2,4-Trimethylbenzene	50	52.9	106	52.1	104	2	69-119/25
108-67-8	1,3,5-Trimethylbenzene	50	52.1	104	51.5	103	1	69-123/25
75-01-4	Vinyl chloride	50	47.8	96	50.4	101	5	33-166/25
95-47-6	m,p-Xylene	100	107	107	104	104	3	78-122/25
1330-20-7	o-Xylene	50	52.7	105	52.4	105	1	77-123/25
	Xylene (total)	150	159	106	156	104	2	78-122/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

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Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3006-BS	M83409.D	1	04/06/17	DRY	n/a	n/a	MSM3006
MSM3006-BSD	M83410.D	1	04/06/17	DRY	n/a	n/a	MSM3006

The QC reported here applies to the following samples:

Method: SW846 8260C

MC49976-52

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	97%	98%	65-141%
2037-26-5	Toluene-D8	100%	101%	65-129%
460-00-4	4-Bromofluorobenzene	99%	99%	63-137%

* = Outside of Control Limits.

Volatile Internal Standard Area Summary

Page 1 of 1

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Check Std:	MSM3002-CC2992	Injection Date:	03/30/17
Lab File ID:	M83282.D	Injection Time:	09:27
Instrument ID:	GCMSM	Method:	SW846 8260C

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Check Std	86359	9.77	130689	10.67	63493	13.90	80581	16.48	38876	7.70
Upper Limit ^a	172718	10.27	261378	11.17	126986	14.40	161162	16.98	77752	8.20
Lower Limit ^b	43180	9.27	65345	10.17	31747	13.40	40291	15.98	19438	7.20

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
MSM3002-BS	79529	9.77	119259	10.67	58487	13.90	75160	16.48	38921	7.69
MSM3002-BSD	83620	9.77	125065	10.66	61183	13.89	78439	16.48	36539	7.68
MSM3002-MB	64456	9.77	101085	10.66	50463	13.90	61261	16.48	27406	7.67
ZZZZZZ	60042	9.77	93982	10.67	46256	13.90	56294	16.49	46850	7.68
MC49976-4	53371	9.77	82431	10.67	40200	13.90	40883	16.49	19362 ^c	7.68
MC49976-8	53406	9.77	84723	10.67	40619	13.90	38570 ^d	16.48	22431	7.67
MC49976-12	47764	9.77	73043	10.67	36122	13.90	31384 ^d	16.48	16477 ^c	7.67
MC49976-16 ^e	39503 ^d	9.77	59311 ^d	10.66	30402 ^d	13.90	31621 ^d	16.48	18505 ^c	7.66
MC49976-20	46672	9.77	74132	10.66	41709	13.90	47490	16.48	20577	7.67
MC49976-16	49221	9.77	74430	10.67	37766	13.90	40177 ^d	16.48	20108	7.67
MC49976-12 ^e	45432	9.77	70627	10.66	36980	13.89	34778 ^d	16.48	17532 ^c	7.67
MC49976-8 ^e	47194	9.77	72799	10.66	34908	13.90	29675 ^d	16.48	16976 ^c	7.67

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

- (a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Outside control limits. Target analytes not associated with this internal standard.
(d) Outside control limits due to possible matrix interference. Confirmed by reanalysis.
(e) Confirmation run.

Volatile Internal Standard Area Summary

Page 1 of 1

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Check Std:	MSM3003-CC2992	Injection Date:	03/31/17
Lab File ID:	M83300.D	Injection Time:	10:10
Instrument ID:	GCMSM	Method:	SW846 8260C

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Check Std	68864	9.77	103773	10.67	52386	13.89	69532	16.48	32823	7.68
Upper Limit ^a	137728	10.27	207546	11.17	104772	14.39	139064	16.98	65646	8.18
Lower Limit ^b	34432	9.27	51887	10.17	26193	13.39	34766	15.98	16412	7.18

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
MSM3003-BS	79226	9.77	118250	10.67	59152	13.89	76051	16.49	43019	7.71
MSM3003-BSD	78217	9.77	117769	10.67	58281	13.90	74154	16.48	36025	7.68
MSM3003-MB	53126	9.77	83664	10.66	42880	13.89	50647	16.48	25447	7.67
MC49976-28	56361	9.77	88420	10.67	43903	13.90	45845	16.48	23831	7.67
MC49976-32	46273	9.77	71356	10.66	35864	13.90	35466	16.48	20227	7.67
MC49976-36	48314	9.77	75865	10.67	38310	13.89	38188	16.48	19074	7.67
MC49976-40	46197	9.77	72666	10.67	37176	13.89	38120	16.48	18431	7.66
MC49976-44 ^c	47495	9.77	73074	10.67	36694	13.89	31565 ^d	16.48	15295 ^e	7.67
MC49976-48	38352	9.77	57572	10.67	28289	13.89	24915 ^d	16.48	16541	7.67
MC49976-56	44271	9.77	70873	10.67	36653	13.90	35103	16.48	16225 ^e	7.67
MC49976-60	38002	9.77	58538	10.67	29918	13.90	25714 ^d	16.48	15875 ^e	7.67
MC49976-64	44890	9.77	70331	10.67	37159	13.90	36456	16.48	17424	7.67
MC49976-48 ^c	38587	9.77	59308	10.67	29867	13.89	27583 ^d	16.48	15316 ^e	7.67
MC49976-56 ^c	10647 ^d	9.77	14119 ^d	10.66	8419 ^d	13.90	7469 ^d	16.48	4877 ^e	7.66
MC49976-60 ^c	35525	9.77	55909	10.67	28738	13.90	21820 ^d	16.48	11394 ^e	7.67
MC49976-72 ^c	5943 ^d	9.76	7929 ^d	10.66	4765 ^d	13.90	4307 ^d	16.48	3248 ^e	7.66
MC49976-72	34704	9.77	53853	10.67	28509	13.89	22626 ^d	16.48	12600 ^e	7.67

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

- (a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Confirmation run.
(d) Outside control limits due to possible matrix interference. Confirmed by reanalysis.
(e) Outside control limits. Target analytes not associated with this internal standard.

Volatile Internal Standard Area Summary

Page 1 of 1

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggioro Somerville, 343 - 351 Summer Street, Somerville, MA

Check Std:	MSM3004-CC2992	Injection Date:	04/03/17
Lab File ID:	M83326.D	Injection Time:	13:20
Instrument ID:	GCM5M	Method:	SW846 8260C

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Check Std	52792	9.77	83286	10.67	44044	13.89	54457	16.48	27529	7.68
Upper Limit ^a	105584	10.27	166572	11.17	88088	14.39	108914	16.98	55058	8.18
Lower Limit ^b	26396	9.27	41643	10.17	22022	13.39	27229	15.98	13765	7.18

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
MSM3004-BS	54624	9.77	85150	10.67	44636	13.89	55953	16.48	28182	7.69
MSM3004-BSD	59816	9.77	93728	10.67	47988	13.90	58391	16.48	28611	7.68
MSM3004-MB	43217	9.77	70730	10.67	37357	13.89	41496	16.48	21207	7.68
ZZZZZZ	38146	9.77	61705	10.67	32793	13.90	37406	16.48	19329	7.68
ZZZZZZ	36554	9.77	60193	10.67	32753	13.89	35280	16.48	18255	7.67
ZZZZZZ	34444	9.77	56168	10.67	30939	13.89	33551	16.48	18063	7.68
ZZZZZZ	33975	9.77	56006	10.67	29151	13.89	25763 ^c	16.48	14512	7.68
ZZZZZZ	30777	9.77	49685	10.67	26594	13.89	24921 ^c	16.48	14743	7.68
MC49976-64	28708	9.77	45824	10.67	22443	13.90	10923 ^c	16.48	12119 ^c	7.68
MC49976-68	29764	9.77	47122	10.67	23303	13.89	15970 ^c	16.48	13318 ^c	7.68
MC49976-76	32610	9.77	54038	10.67	29629	13.90	29895	16.48	14841	7.67
MC49976-64 ^d	25608 ^c	9.77	40674 ^c	10.66	19673 ^c	13.89	9626 ^c	16.48	10753 ^c	7.67
MC49976-68 ^d	25195 ^c	9.77	39779 ^c	10.67	20830 ^c	13.90	15848 ^c	16.48	10860 ^c	7.67
MC49976-76 ^d	33392	9.77	56315	10.67	31138	13.89	32646	16.48	13554 ^e	7.68

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

- (a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.
(d) Confirmation run.
(e) Outside control limits. Target analytes not associated with this internal standard.

Volatile Internal Standard Area Summary

Page 1 of 1

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggioro Somerville, 343 - 351 Summer Street, Somerville, MA

Check Std:	MSM3005-CC2992	Injection Date:	04/04/17
Lab File ID:	M83349.D	Injection Time:	13:28
Instrument ID:	GCM5M	Method:	SW846 8260C

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Check Std	68295	9.77	106759	10.67	56890	13.89	70048	16.48	34198	7.69
Upper Limit ^a	136590	10.27	213518	11.17	113780	14.39	140096	16.98	68396	8.19
Lower Limit ^b	34148	9.27	53380	10.17	28445	13.39	35024	15.98	17099	7.19

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
MSM3005-BS	71807	9.77	111409	10.66	57943	13.89	70790	16.48	32942	7.70
MSM3005-BSD	75397	9.77	116421	10.67	60079	13.89	74091	16.48	37478	7.69
MSM3005-MB	51434	9.77	83688	10.67	44591	13.89	50099	16.48	26970	7.68
MC49976-24	45837	9.77	74053	10.67	39205	13.90	40313	16.49	24811	7.68
ZZZZZZ	46211	9.77	74078	10.67	35424	13.90	27605 ^c	16.49	12704 [*]	7.68
ZZZZZZ	49699	9.77	78486	10.67	42816	13.89	48448	16.48	24260	7.68
ZZZZZZ	30365 ^c	9.77	45552 ^c	10.67	14322 ^c	13.90	5427 ^c	16.48	10967 ^c	7.68
ZZZZZZ	45794	9.77	72806	10.67	34368	13.89	27535 ^c	16.48	13702 ^c	7.68
ZZZZZZ	36905	9.77	57555	10.67	28405 ^c	13.89	20832 ^c	16.48	14501 ^c	7.67
ZZZZZZ	26052 ^c	9.77	40052 ^c	10.67	13800 ^c	13.89	6014 ^c	16.48	14159 ^c	7.68
ZZZZZZ	31899 ^c	9.77	51797 ^c	10.67	25337 ^c	13.89	18788 ^c	16.48	12942 ^c	7.68
IS 1	= Pentafluorobenzene									
IS 2	= 1,4-Difluorobenzene									
IS 3	= Chlorobenzene-D5									
IS 4	= 1,4-Dichlorobenzene-d4									
IS 5	= Tert Butyl Alcohol-D9									

- (a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

Volatile Internal Standard Area Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Check Std:	MSM3006 ICC3006	Injection Date:	04/06/17
Lab File ID:	M83403.D	Injection Time:	14:53
Instrument ID:	GCMSM	Method:	SW846 8260C

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Check Std	159012	9.77	224391	10.66	118925	13.90	132694	16.48	64229	7.68
Upper Limit ^a	318024	10.27	448782	11.16	237850	14.40	265388	16.98	128458	8.18
Lower Limit ^b	79506	9.27	112196	10.16	59463	13.40	66347	15.98	32115	7.18

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
MSM3006-BS	190490	9.77	266298	10.67	137984	13.90	156692	16.49	91211	7.71
MSM3006-BSD	181730	9.77	257536	10.66	134455	13.89	153450	16.48	77842	7.68
MSM3006-MB	164851	9.77	227867	10.66	120822	13.90	135330	16.48	78948	7.67
MC49976-52	152822	9.77	208326	10.66	100483	13.90	74377	16.48	68587	7.67

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol D9

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Surrogate Recovery Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Method:	SW846 8260C	Matrix:	SO
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Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC49976-4	M83289.D	131	103	107
MC49976-8	M83297.D	130	103	121
MC49976-8	M83290.D	131	103	111
MC49976-12	M83296.D	133	111	121
MC49976-12	M83291.D	133	104	124
MC49976-16	M83295.D	128	106	102
MC49976-16	M83292.D	136	106	101
MC49976-20	M83293.D	136	114	107
MC49976-24	M83354.D	141	108	102
MC49976-28	M83305.D	127	104	106
MC49976-32	M83306.D	134	107	106
MC49976-36	M83307.D	138	107	108
MC49976-40	M83308.D	138	106	103
MC49976-44	M83309.D	136	108	117
MC49976-44	M83314.D	147* ^a	110	103
MC49976-48	M83315.D	150* ^b	109	105
MC49976-48	M83310.D	142* ^b	106	112
MC49976-52	M83413.D	97	99	127
MC49976-56	M83317.D	173* ^b	114	103
MC49976-56	M83312.D	147* ^b	107	112
MC49976-60	M83313.D	151* ^b	111	116
MC49976-60	M83318.D	167* ^b	111	119
MC49976-64	M83341.D	171* ^b	113	168* ^b
MC49976-64	M83337.D	167* ^b	113	168* ^b
MC49976-68	M83342.D	165* ^b	112	116
MC49976-68	M83338.D	156* ^b	109	128
MC49976-72	M83320.D	170* ^b	114	113
MC49976-72	M83319.D	169* ^b	110	100
MC49976-76	M83343.D	157* ^b	111	103
MC49976-76	M83339.D	156* ^b	112	103
MSM3002-BS	M83283.D	104	102	99
MSM3002-BSD	M83284.D	101	102	100
MSM3002-MB	M83286.D	121	103	98
MSM3003-BS	M83301.D	104	103	101
MSM3003-BSD	M83302.D	103	103	101
MSM3003-MB	M83304.D	130	104	98
MSM3004-BS	M83327.D	111	105	99
MSM3004-BSD	M83328.D	107	104	103
MSM3004-MB	M83330.D	136	107	102
MSM3005-BS	M83350.D	107	104	100

Volatile Surrogate Recovery Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Method: SW846 8260C		Matrix: SO	
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Samples and QC shown here apply to the above method

6.4.1

6

GC/MS Semi-volatiles	
QC Data Summaries	

7

Includes the following where applicable:	
<ul style="list-style-type: none">• Method Blank Summaries• Blank Spike Summaries• Matrix Spike and Duplicate Summaries• Internal Standard Area Summaries• Surrogate Recovery Summaries	

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Page 1 of 2

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49564 MB	R51600.D	1	04/04/17	DRY	03/31/17	OP49564	MSR1939

The QC reported here applies to the following samples:

Method: SW846 8270D

MC49976 4, MC49976 8, MC49976 12, MC49976 16, MC49976 20, MC49976 24, MC49976 28, MC49976 32,
MC49976 36, MC49976 40, MC49976 44, MC49976 48, MC49976 52, MC49976 56, MC49976 60, MC49976 64,
MC49976 68, MC49976 72, MC49976 76

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	500	ug/kg	
95-57-8	2-Chlorophenol	ND	250	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	500	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	500	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	500	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	500	ug/kg	
95-48-7	2-Methylphenol	ND	500	ug/kg	
	3&4-Methylphenol	ND	500	ug/kg	
88-75-5	2-Nitrophenol	ND	500	ug/kg	
100-02-7	4-Nitrophenol	ND	500	ug/kg	
87-86-5	Pentachlorophenol	ND	500	ug/kg	
108-95-2	Phenol	ND	500	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	250	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	500	ug/kg	
83-32-9	Acenaphthene	ND	100	ug/kg	
208-96-8	Acenaphthylene	ND	100	ug/kg	
98-86-2	Acetophenone	ND	500	ug/kg	
62-53-3	Aniline	ND	500	ug/kg	
120-12-7	Anthracene	ND	100	ug/kg	
56-55-3	Benzo(a)anthracene	ND	100	ug/kg	
50-32-8	Benzo(a)pyrene	ND	250	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	100	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	100	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	100	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	250	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	250	ug/kg	
91-58-7	2-Chloronaphthalene	ND	250	ug/kg	
106-47-8	4-Chloroaniline	ND	500	ug/kg	
218-01-9	Chrysene	ND	100	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	250	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	250	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	250	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	250	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	250	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	250	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	250	ug/kg	

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Page 2 of 2

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49564 MB	R51600.D	1	04/04/17	DRY	03/31/17	OP49564	MSR1939

The QC reported here applies to the following samples:

Method: SW846 8270D

MC49976 4, MC49976 8, MC49976 12, MC49976 16, MC49976 20, MC49976 24, MC49976 28, MC49976 32,
MC49976 36, MC49976 40, MC49976 44, MC49976 48, MC49976 52, MC49976 56, MC49976 60, MC49976 64,
MC49976 68, MC49976 72, MC49976 76

CAS No.	Compound	Result	RL	Units	Q
121-14-2	2,4-Dinitrotoluene	ND	500	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	500	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	500	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	100	ug/kg	
132-64-9	Dibenzofuran	ND	100	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	250	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	250	ug/kg	
84-66-2	Diethyl phthalate	ND	250	ug/kg	
131-11-3	Dimethyl phthalate	ND	250	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	250	ug/kg	
206-44-0	Fluoranthene	ND	100	ug/kg	
86-73-7	Fluorene	ND	100	ug/kg	
118-74-1	Hexachlorobenzene	ND	250	ug/kg	
87-68-3	Hexachlorobutadiene	ND	250	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	500	ug/kg	
67-72-1	Hexachloroethane	ND	250	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	250	ug/kg	
78-59-1	Isophorone	ND	250	ug/kg	
91-57-6	2-Methylnaphthalene	ND	100	ug/kg	
91-20-3	Naphthalene	ND	100	ug/kg	
98-95-3	Nitrobenzene	ND	250	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	250	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	250	ug/kg	
85-01-8	Phenanthrene	ND	100	ug/kg	
129-00-0	Pyrene	ND	100	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	250	ug/kg	

CAS No.	Surrogate Recoveries	Limits
367-12-4	2-Fluorophenol	70%
4165-62-2	Phenol d5	75%
118-79-6	2,4,6-Tribromophenol	80%
4165-60-0	Nitrobenzene-d5	66%
321-60-8	2-Fluorobiphenyl	73%
1718-51-0	Terphenyl-d14	93%

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49564 BS	R51601.D	1	04/04/17	DRY	03/31/17	OP49564	MSR1939
OP49564 BSD	R51602.D	1	04/04/17	DRY	03/31/17	OP49564	MSR1939

The QC reported here applies to the following samples:

Method: SW846 8270D

MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20, MC49976-24, MC49976-28, MC49976-32,
MC49976-36, MC49976-40, MC49976-44, MC49976-48, MC49976-52, MC49976-56, MC49976-60, MC49976-64,
MC49976-68, MC49976-72, MC49976-76

CAS No.	Compound	Spike ug/kg	BSP ug/kg	%	BSP ug/kg	BSD ug/kg	%	RPD	Limits Rec/RPD
65-85-0	Benzoic acid	2500	1180	47	1210	48		3	10-136/30
95-57-8	2-Chlorophenol	2500	2060	82	1990	80		3	39-104/30
59-50-7	4-Chloro-3-methyl phenol	2500	2200	88	2190	88		0	51-110/30
120-83-2	2,4-Dichlorophenol	2500	2200	88	2250	90		2	47-109/30
105-67-9	2,4-Dimethylphenol	2500	2020	81	2030	81		0	43-105/30
51-28-5	2,4-Dinitrophenol	2500	1340	54	1430	57		6	10-130/30
95-48-7	2-Methylphenol	2500	2090	84	2060	82		1	40-105/30
	3&4-Methylphenol	5000	4110	82	4130	83		0	39-113/30
88-75-5	2-Nitrophenol	2500	2160	86	2160	86		0	41-112/30
100-02-7	4-Nitrophenol	2500	2120	85	2160	86		2	28-134/30
87-86-5	Pentachlorophenol	2500	2110	84	2190	88		4	22-123/30
108-95-2	Phenol	2500	2060	82	2030	81		1	40-107/30
95-95-4	2,4,5-Trichlorophenol	2500	2380	95	2370	95		0	54-115/30
88-06-2	2,4,6-Trichlorophenol	2500	2440	98	2400	96		2	51-110/30
83-32-9	Acenaphthene	2500	2330	93	2240	90		4	49-108/30
208-96-8	Acenaphthylene	2500	2270	91	2200	88		3	37-102/30
98-86-2	Acetophenone	2500	1950	78	1880	75		4	37-105/30
62-53-3	Aniline	2500	1430	57	1270	51		12	10-90/30
120-12-7	Anthracene	2500	2370	95	2370	95		0	54-111/30
56-55-3	Benzo(a)anthracene	2500	2480	99	2450	98		1	56-117/30
50-32-8	Benzo(a)pyrene	2500	2630	105	2600	104		1	57-117/30
205-99-2	Benzo(b)fluoranthene	2500	2570	103	2540	102		1	55-122/30
191-24-2	Benzo(g,h,i)perylene	2500	2590	104	2480	99		4	52-123/30
207-08-9	Benzo(k)fluoranthene	2500	2560	102	2460	98		4	54-117/30
101-55-3	4-Bromophenyl phenyl ether	2500	2470	99	2480	99		0	54-118/30
85-68-7	Butyl benzyl phthalate	2500	2780	111	2730	109		2	54-121/30
91-58-7	2-Chloronaphthalene	2500	2350	94	2280	91		3	46-114/30
106-47-8	4-Chloroaniline	2500	1180	47	1120	45		5	12-88/30
218-01-9	Chrysene	2500	2350	94	2340	94		0	56-114/30
111-91-1	bis(2-Chloroethoxy)methane	2500	2180	87	2100	84		4	41-106/30
111-44-4	bis(2-Chloroethyl)ether	2500	1980	79	1870	75		6	28-113/30
108-60-1	bis(2-Chloroisopropyl)ether	2500	2270	91	2160	86		5	30-132/30
95-50-1	1,2-Dichlorobenzene	2500	1960	78	1820	73		7	34-100/30
122-66-7	1,2-Diphenylhydrazine	2500	2430	97	2350	94		3	43-117/30
541-73-1	1,3-Dichlorobenzene	2500	1910	76	1790	72		6	35-99/30
106-46-7	1,4-Dichlorobenzene	2500	1870	75	1770	71		5	35-98/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49564 BS	R51601.D	1	04/04/17	DRY	03/31/17	OP49564	MSR1939
OP49564 BSD	R51602.D	1	04/04/17	DRY	03/31/17	OP49564	MSR1939

The QC reported here applies to the following samples:

Method: SW846 8270D

MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20, MC49976-24, MC49976-28, MC49976-32,
MC49976-36, MC49976-40, MC49976-44, MC49976-48, MC49976-52, MC49976-56, MC49976-60, MC49976-64,
MC49976-68, MC49976-72, MC49976-76

CAS No.	Compound	Spike ug/kg	BSP ug/kg	%	BSP ug/kg	BSD ug/kg	%	RPD	Limits Rec/RPD
121-14-2	2,4-Dinitrotoluene	2500	2620	105	2600	104		1	50-121/30
606-20-2	2,6-Dinitrotoluene	2500	2580	103	2470	99		4	52-115/30
91-94-1	3,3'-Dichlorobenzidine	2500	1880	75	1790	72		5	17-120/30
53-70-3	Dibenzo(a,h)anthracene	2500	2580	103	2570	103		0	54-121/30
132-64-9	Dibenzofuran	2500	2230	89	2200	88		1	52-109/30
84-74-2	Di-n-butyl phthalate	2500	2400	96	2390	96		0	55-113/30
117-84-0	Di-n-octyl phthalate	2500	2650	106	2600	104		2	53-126/30
84-66-2	Diethyl phthalate	2500	2440	98	2410	96		1	54-111/30
131-11-3	Dimethyl phthalate	2500	2470	99	2450	98		1	53-111/30
117-81-7	bis(2-Ethylhexyl)phthalate	2500	2830	113	2790	112		1	55-125/30
206-44-0	Fluoranthene	2500	2490	100	2500	100		0	55-116/30
86-73-7	Fluorene	2500	2480	99	2430	97		2	52-111/30
118-74-1	Hexachlorobenzene	2500	2430	97	2460	98		1	52-117/30
87-68-3	Hexachlorobutadiene	2500	2140	86	1980	79		8	36-108/30
77-47-4	Hexachlorocyclopentadiene	2500	1890	76	1720	69		9	10-99/30
67-72-1	Hexachloroethane	2500	1850	74	1720	69		7	33-100/30
193-39-5	Indeno(1,2,3-cd)pyrene	2500	2540	102	2530	101		0	55-120/30
78-59-1	Isophorone	2500	2250	90	2130	85		5	37-101/30
91-57-6	2-Methylnaphthalene	2500	2140	86	2030	81		5	38-114/30
91-20-3	Naphthalene	2500	2180	87	2070	83		5	27-128/30
98-95-3	Nitrobenzene	2500	2140	86	2020	81		6	33-108/30
621-64-7	N-Nitroso-di-n-propylamine	2500	2350	94	2210	88		6	37-112/30
86-30-6	N-Nitrosodiphenylamine	2500	2400	96	2380	95		1	47-114/30
85-01-8	Phenanthrene	2500	2430	97	2380	95		2	54-112/30
129-00-0	Pyrene	2500	2650	106	2560	102		3	54-118/30
120-82-1	1,2,4-Trichlorobenzene	2500	2150	86	2050	82		5	38-105/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
367-12-4	2-Fluorophenol	78%	73%	25-109%
4165-62-2	Phenol-d5	84%	82%	29-113%
118-79-6	2,4,6-Tribromophenol	91%	91%	20-141%
4165-60-0	Nitrobenzene-d5	76%	72%	27-115%
321-60-8	2-Fluorobiphenyl	83%	79%	34-118%
1718-51-0	Terphenyl-d14	93%	91%	42-139%

* = Outside of Control Limits.

Semivolatile Internal Standard Area Summary

Job Number: MC49976
Account: ENV'TRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Check Std:	MSR1939 CC1934	Injection Date:	04/04/17
Lab File ID:	R51598.D	Injection Time:	17:54
Instrument ID:	GCMSR	Method:	SW846 8270D

Check Std	403049	4.37	1540472	5.44	916341	6.98	1737301	8.27	1789814	11.47	1633999	14.78
Upper Limit ^a	806098	4.87	3080944	5.94	1832682	7.48	3474602	8.77	3579628	11.97	3267998	15.28
Lower Limit ^b	201525	3.87	770236	4.94	458171	6.48	868651	7.77	894907	10.97	817000	14.28

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
OP49564 MB	444054	4.37	1700875	5.44	999418	6.97	1874111	8.27	1761086	11.47	1497062	14.78
OP49564 BS	437654	4.37	1673714	5.44	966786	6.97	1839038	8.27	1746130	11.47	1498119	14.77
OP49564 BSD	425431	4.38	1638287	5.44	957764	6.98	1830116	8.27	1811471	11.47	1573921	14.78
MC49976-4	463291	4.37	1779260	5.44	1039947	6.97	1933880	8.27	1926872	11.49	1826078	14.80
MC49976-8	432892	4.38	1691885	5.44	972405	6.97	1816437	8.27	1739109	11.47	1600274	14.78
MC49976-12	440575	4.38	1670957	5.44	993576	6.97	1832463	8.27	1738188	11.47	1629051	14.78
MC49976-16	415765	4.38	1603932	5.44	939569	6.98	1763146	8.27	1706557	11.49	1618399	14.80
MC49976-20	414944	4.38	1582098	5.44	919254	6.97	1741530	8.27	1687248	11.47	1586010	14.78
MC49976-24	437297	4.38	1682265	5.44	993632	6.98	1869573	8.27	1840797	11.49	1788791	14.82
MC49976-28	392113	4.38	1501184	5.44	889147	6.98	1690190	8.27	1677470	11.47	1577555	14.78
MC49976-32	466403	4.38	1761829	5.44	1036293	6.98	1942895	8.27	1868170	11.47	1778656	14.78
MC49976-36	440459	4.38	1695048	5.44	993996	6.97	1852432	8.27	1725158	11.47	1644091	14.78
MC49976-40	383707	4.38	1465845	5.44	853728	6.97	1657693	8.27	1673784	11.47	1581800	14.78
MC49976-44	398410	4.38	1517458	5.44	876003	6.97	1663712	8.27	1578047	11.47	1518268	14.78
MC49976-48	425053	4.38	1544302	5.44	955626	6.97	1740023	8.27	1708561	11.47	1623276	14.78
MC49976-52	389013	4.37	1490589	5.44	856023	6.97	1701157	8.27	1725700	11.47	1637437	14.78
MC49976-56	403721	4.38	1564283	5.44	907931	6.97	1739369	8.27	1761302	11.47	1657717	14.78
MC49976-60	407488	4.38	1603301	5.44	936002	6.97	1741030	8.27	1750174	11.48	1680926	14.80
MC49976-64	423222	4.37	1620657	5.44	955735	6.97	1773878	8.27	1762820	11.47	1698155	14.78
MC49976-68	418703	4.38	1618562	5.44	937657	6.98	1774806	8.27	1786738	11.48	1655026	14.82
MC49976-72	397041	4.38	1537660	5.44	916096	6.98	1749844	8.27	1814445	11.50	1675100	14.82
MC49976-76	410616	4.38	1588438	5.44	9095393	6.98	1704875	8.28	1743532	11.11	1561010	14.83

IS 1	= 1,4-Dichlorobenzene d4
IS 2	= Naphthalene-d8
IS 3	= Acenaphthene-D10
IS 4	= Phenanthrene-d10
IS 5	= Chrysene-d12
IS 6	= Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: MC49976
Account: ENV/TRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Check Std:	MSR1940 CC1934	Injection Date:	04/05/17
Lab File ID:	R51623.D	Injection Time:	10:38
Instrument ID:	GCMSR	Method:	SW846 8270D

Check Std	395026	4.38	1572891	5.44	915638	6.98	1710972	8.27	1741468	11.48	1645704	14.79
Upper Limit ^a	790052	4.88	3145782	5.94	1831276	7.48	3421944	8.77	3482936	11.98	3291408	15.29
Lower Limit ^b	197513	3.88	786446	4.94	457819	6.48	855486	7.77	870734	10.98	822852	14.29

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
MC49976-4	393747	4.38	1470851	5.44	892003	6.97	1700087	8.27	1737467	11.48	1617860	14.79
MC49976-16	365191	4.37	1401469	5.44	850075	6.97	1616153	8.27	1663695	11.48	1555293	14.79
MC49976-24	360805	4.38	1422855	5.44	858352	6.98	1689524	8.27	1673869	11.48	1557035	14.79
MC49976-60	353741	4.38	1348112	5.44	820059	6.97	1595701	8.27	1665844	11.48	1543303	14.78
MC49976-72	360573	4.38	1436084	5.44	868896	6.97	1665134	8.27	1732799	11.48	1622987	14.79
MC49976-76	365179	4.37	1407068	5.44	854747	6.97	1676380	8.27	1701331	11.48	1592327	14.79
ZZZZZ	396070	4.38	1521775	5.44	913109	6.98	1788652	8.27	1887308	11.48	1743867	14.79
IS 1	= 1,4 Dichlorobenzene d4											
IS 2	= Naphthalene d8											
IS 3	= Acenaphthene D10											
IS 4	= Phenanthrene d10											
IS 5	= Chrysene-d12											
IS 6	= Perylene d12											

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatle Surrogate Recovery Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Method: SW846 8270D		Matrix: SO	
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Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
MC49976-4	R51624.D	85	91	93	81	86	99
MC49976-4	R51603.D	80	84	89	75	82	91
MC49976-8	R51604.D	80	85	92	78	85	97
MC49976-12	R51605.D	78	82	83	77	79	91
MC49976-16	R51625.D	76	74	86	71	81	89
MC49976-16	R51606.D	74	79	87	73	79	89
MC49976-20	R51607.D	75	81	92	73	83	96
MC49976-24	R51626.D	79	79	89	73	83	97
MC49976-24	R51608.D	72	78	87	70	77	87
MC49976-28	R51609.D	77	82	92	73	81	91
MC49976-32	R51610.D	68	76	83	71	79	92
MC49976-36	R51611.D	71	75	80	70	74	85
MC49976-40	R51612.D	79	83	89	78	81	92
MC49976-44	R51613.D	83	86	92	82	86	97
MC49976-48	R51614.D	72	76	85	73	78	92
MC49976-52	R51615.D	45	51	72	47	55	76
MC49976-56	R51616.D	80	81	89	75	80	89
MC49976-60	R51627.D	83	81	94	78	84	99
MC49976-60	R51617.D	78	84	91	77	83	94
MC49976-64	R51618.D	79	80	89	78	82	88
MC49976-68	R51619.D	74	78	86	71	78	85
MC49976-72	R51628.D	78	74	74	69	72	86
MC49976-72	R51620.D	72	75	74	70	75	81
MC49976-76	R51629.D	77	82	71	75	76	87
MC49976-76	R51621.D	77	84	77	78	82	85
OP49564-BS	R51601.D	78	84	91	76	83	93
OP49564-BSID	R51602.D	73	82	91	72	79	91
OP49564-MB	R51600.D	70	75	80	66	73	93

Surrogate Compounds Recovery Limits

S1 = 2-Fluorophenol 25-109%
S2 = Phenol-d5 29-113%
S3 = 2,4,6-Tribromophenol 20-141%
S4 = Nitrobenzene-d5 27-115%
S5 = 2-Fluorobiphenyl 34-118%
S6 = Terphenyl-d14 42-139%

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GWX3998 MB	WX79850A.D 1	1	03/30/17	AF	n/a	n/a	GWX3998

The QC reported here applies to the following samples:

Method: SW846 8015

MC49976 4, MC49976 8, MC49976 12, MC49976 16, MC49976 20, MC49976 24, MC49976 28, MC49976 32, MC49976 36, MC49976 40, MC49976 44, MC49976 48, MC49976 52, MC49976 56, MC49976 60, MC49976 64, MC49976 68, MC49976 72, MC49976 76

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Limits
	2,3,4 Trifluorotoluene	101% 64 127%

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GWX3998-BSP	WX79851A.D 1	1	03/30/17	AF	n/a	n/a	GWX3998
GWX3998-BSD	WX79852A.D 1	1	03/30/17	AF	n/a	n/a	GWX3998

The QC reported here applies to the following samples:

Method: SW846 8015

MC49976 4, MC49976 8, MC49976 12, MC49976 16, MC49976 20, MC49976 24, MC49976 28, MC49976 32, MC49976 36, MC49976 40, MC49976 44, MC49976 48, MC49976 52, MC49976 56, MC49976 60, MC49976 64, MC49976 68, MC49976 72, MC49976 76

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH-GRO (VOA)	32.5	33.2	102	34.2	105	3	80-120/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
	2,3,4 Trifluorotoluene	103%	104%	64 127%

* = Outside of Control Limits.

Volatile Surrogate Recovery Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Method: SW846 8015	Matrix: SO
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Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a
MC49976-4	WX79854.D	104
MC49976-8	WX79861.D	101
MC49976-12	WX79862.D	101
MC49976-16	WX79863.D	101
MC49976-20	WX79864.D	103
MC49976-24	WX79865.D	103
MC49976-28	WX79866.D	105
MC49976-32	WX79867.D	105
MC49976-36	WX79868.D	104
MC49976-40	WX79869.D	105
MC49976-44	WX79871.D	102
MC49976-48	WX79872.D	103
MC49976-52	WX79873.D	105
MC49976-56	WX79874.D	103
MC49976-60	WX79875.D	104
MC49976-64	WX79876.D	104
MC49976-68	WX79877.D	104
MC49976-72	WX79878.D	104
MC49976-76	WX79879.D	104
GWX3998.BSD	WX79852A.D	104
GWX3998.BSP	WX79851A.D	103
GWX3998.MB	WX79850A.D	101

Surrogate Compounds Recovery Limits

S1 = 2,3,4-Trifluorotoluene 64-127%

(a) Recovery from GC signal #1



ACCUTEST
New England

Section 9

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49567-MB	BE54519.D	1	04/04/17	AP	03/31/17	OP49567	GBE2736

The QC reported here applies to the following samples:

Method: SW846 8081B

MC49976 4, MC49976 8, MC49976 12, MC49976 16, MC49976 20, MC49976 24, MC49976 28, MC49976 32,
MC49976 36, MC49976 40, MC49976 44, MC49976 48, MC49976 52, MC49976 56, MC49976 60, MC49976 64,
MC49976 68, MC49976 72, MC49976 76

CAS No.	Compound	Result	RL	Units	Q
309 00-2	Aldrin	ND	5.0	ug/kg	
319 84-6	alpha-BHC	ND	5.0	ug/kg	
319 85-7	beta-BHC	ND	5.0	ug/kg	
319 86-8	delta-BHC	ND	5.0	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	3.0	ug/kg	
12789 03-6	Chlordane	ND	50	ug/kg	
60 57-1	Dieldrin	ND	5.0	ug/kg	
72 54-8	4,4'-DDD	ND	5.0	ug/kg	
72 55-9	4,4'-DDE	ND	5.0	ug/kg	
50 29-3	4,4'-DDT	ND	5.0	ug/kg	
72-20-8	Endrin	ND	5.0	ug/kg	
1031-07-8	Endosulfan sulfate	ND	5.0	ug/kg	
959-98-8	Endosulfan-I	ND	5.0	ug/kg	
33213-65-9	Endosulfan-II	ND	5.0	ug/kg	
76-44-8	Heptachlor	ND	5.0	ug/kg	
1024-57-3	Heptachlor epoxide	ND	5.0	ug/kg	
118-74-1	Hexachlorobenzene	ND	5.0	ug/kg	
72-43-5	Methoxychlor	ND	5.0	ug/kg	
53494-70-5	Endrin ketone	ND	5.0	ug/kg	

CAS No. Surrogate Recoveries

Limits

877-09-8	Tetrachloro-m-xylene	100%	10-143%
877-09-8	Tetrachloro-m-xylene	88%	10-143%
2051-24-3	Decachlorobiphenyl	107%	10-172%
2051-24-3	Decachlorobiphenyl	110%	10-172%

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49566-MB	BK65070.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075

The QC reported here applies to the following samples:

Method: SW846 8082A

MC49976 4, MC49976 8, MC49976 12, MC49976 16, MC49976 20, MC49976 24, MC49976 28, MC49976 32,
MC49976 36, MC49976 40, MC49976 44, MC49976 48, MC49976 52, MC49976 56, MC49976 60, MC49976 64,
MC49976 68, MC49976 72, MC49976 76

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	33	ug/kg	
11104 28-2	Aroclor 1221	ND	33	ug/kg	
11141-16-5	Aroclor 1232	ND	33	ug/kg	
53469 21-9	Aroclor 1242	ND	33	ug/kg	
12672-29-6	Aroclor 1248	ND	33	ug/kg	
11097-69-1	Aroclor 1254	ND	33	ug/kg	
11096 82-5	Aroclor 1260	ND	33	ug/kg	
37324-23-5	Aroclor 1262	ND	33	ug/kg	
11100-14-4	Aroclor 1268	ND	33	ug/kg	

CAS No. Surrogate Recoveries

Limits

877-09-8	Tetrachloro-m-xylene	99%	25-145%
877 09 8	Tetrachloro m-xylene	100%	25-145%
2051-24-3	Decachlorobiphenyl	90%	25-179%
2051-24-3	Decachlorobiphenyl	93%	25-179%

9.1.1

9.1.2

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggione Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49565 MB	CR4490.D	1	04/04/17	AP	03/31/17	OP49565	GCR1276

The QC reported here applies to the following samples:

Method: SW846 8015

MC49976 4, MC49976 8, MC49976 12, MC49976 16, MC49976 20, MC49976 24, MC49976 28, MC49976 32, MC49976 36, MC49976 40, MC49976 44, MC49976 48, MC49976 52, MC49976 56, MC49976 60, MC49976 64, MC49976 68, MC49976 72, MC49976 76

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	ND	17	mg/kg	
	Surrogate Recoveries			Limits	
84 15 1	o Terphenyl	93%	17	130%	

9.1.3



Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggione Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49567-BS	BE54520.D	1	04/04/17	AP	03/31/17	OP49567	GBE2736
OP49567-BSD	BE54521.D	1	04/04/17	AP	03/31/17	OP49567	GBE2736

The QC reported here applies to the following samples:

Method: SW846 8081B

MC49976 4, MC49976 8, MC49976 12, MC49976 16, MC49976 20, MC49976 24, MC49976 28, MC49976 32, MC49976 36, MC49976 40, MC49976 44, MC49976 48, MC49976 52, MC49976 56, MC49976 60, MC49976 64, MC49976 68, MC49976 72, MC49976 76

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	33.3	36.5	109	36.3	109	1	37-165/30
319 84-6	alpha BHC	33.3	35.7	107	35.1	105	2	32 157/30
319 85-7	beta-BHC	33.3	37.5	112	36.2	109	4	41 159/30
319-86-8	delta-BHC	33.3	20.4	61	19.5	58	5	26-157/30
58-89-9	gamma BHC (Lindane)	33.3	37.9	114	36.1	108	5	34-156/30
60-57-1	Dieldrin	33.3	31.3	94	31.5	94	1	42-171/30
72-54-8	4,4'-DDD	33.3	37.6	113	35.8	107	5	41-168/30
72-55-9	4,4'-DDE	33.3	36.3	109	36.0	108	1	42-167/30
50-29-3	4,4'-DDT	33.3	35.4	106	33.8	101	5	37-172/30
72-20-8	Endrin	33.3	37.6	113	35.4	106	6	30-191/30
1031 07 8	Endosulfan sulfate	33.3	40.0	120	37.3	112	7	41 162/30
959-98-8	Endosulfan-I	33.3	38.7	116	37.2	112	4	42-168/30
33213-65-9	Endosulfan-II	33.3	38.4	115	36.6	110	5	41-166/30
76-44-8	Heptachlor	33.3	35.9	108	33.9	102	6	43-159/30
1024-57-3	Heptachlor epoxide	33.3	36.0	108	35.1	105	3	42-167/30
118-74-1	Hexachlorobenzene	33.3	28.0	84	27.9	84	0	49-143/30
72-43-5	Methoxychlor	33.3	35.3	106	32.3	97	9	28-187/30
53494-70-5	Endrin ketone	33.3	36.7	110	34.8	104	5	32-170/30

9.2.1



CAS No.	Surrogate Recoveries	BSP	BSD	Limits
877-09-8	Tetrachloro-m-xylene	89%	91%	10-143%
877-09-8	Tetrachloro-m-xylene	92%	94%	10-143%
2051 24 3	Decachlorobiphenyl	113%	104%	10-172%
2051-24-3	Decachlorobiphenyl	104%	107%	10-172%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ENV'TRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343-351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49566-BS	BK65071.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075
OP49566-BSD	BK65072.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075

The QC reported here applies to the following samples:

Method: SW846 8082A

MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20, MC49976-24, MC49976-28, MC49976-32,
MC49976-36, MC49976-40, MC49976-44, MC49976-48, MC49976-52, MC49976-56, MC49976-60, MC49976-64,
MC49976-68, MC49976-72, MC49976-76

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	267	244	91	229	86	6	47-144/30
11104-28-2	Aroclor 1221		ND		ND		nc	40-140/30
11141-16-5	Aroclor 1232		ND		ND		nc	40-140/30
53469-21-9	Aroclor 1242		ND		ND		nc	40-140/30
12672-29-6	Aroclor 1248		ND		ND		nc	40-140/30
11097-69-1	Aroclor 1254		ND		ND		nc	40-140/30
11096-82-5	Aroclor 1260		248	93	232	87	7	45-156/30
37324-23-5	Aroclor 1262		ND		ND		nc	40-140/30
11100-14-4	Aroclor 1268		ND		ND		nc	40-140/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
877-09-8	Tetrachloro-m-xylene	90%	88%	25-145%
877-09-8	Tetrachloro-m-xylene	93%	86%	25-145%
2051-24-3	Decachlorobiphenyl	87%	83%	25-179%
2051-24-3	Decachlorobiphenyl	92%	79%	25-179%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49565-BS	CR4491.D	1	04/04/17	AP	03/31/17	OP49565	GCR1276
OP49565-BSID	CR4492.D	1	04/04/17	AP	03/31/17	OP49565	GCR1276

The QC reported here applies to the following samples:

Method: SW846-8015

MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20, MC49976-24, MC49976-28, MC49976-32,
MC49976-36, MC49976-40, MC49976-44, MC49976-48, MC49976-52, MC49976-56, MC49976-60, MC49976-64,
MC49976-68, MC49976-72, MC49976-76

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH-DRO (Semi-VOA)	167	168	101	148	89	13	29-125/30
CAS No.	Surrogate Recoveries	BSP	BSD		Limits			
84-15-1	o-Terphenyl	109%	97%		17-130%			

* = Outside of Control Limits.

Job Number: MC49976

Account: ENVTRAC EnviroTrac, Ltd.

Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Method: SW846 8081B	Matrix: SO
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Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a	S1 ^b	S2 ^a	S2 ^b
MC49976-4	BE54522.D	48	64	59	150
MC49976-8	BE54523.D	68	73	61	88
MC49976-12	BE54524.D	71	82	62	122
MC49976-16	BE54525.D	47	65	54	218 ^c
MC49976-20	BE54526.D	60	71	62	142
MC49976-24	BE54527.D	40	63	707 ^d	841 ^d
MC49976-28	BE54528.D	83	81	65	86
MC49976-32	BE54531.D	55	65	59	190 ^c
MC49976-36	BE54532.D	73	73	53	95
MC49976-40	BE54533.D	58	68	70	120
MC49976-44	BE54534.D	86	81	50	79
MC49976-48	BE54535.D	82	78	52	78
MC49976-52	BE54536.D	71	77	56	90
MC49976-56	BE54537.D	60	68	55	90
MC49976-60	BE54538.D	47	65	53	175 ^c
MC49976-64	BE54539.D	55	66	46	88
MC49976-68	BE54540.D	51	73	54	174 ^c
MC49976-72	BE54543.D	48	68	82	474 ^c
MC49976-76	BE54544.D	46	58	78	374 ^c
OP49567-BS	BE54520.D	89	92	113	104
OP49567-BSD	BE54521.D	91	94	104	107
OP49567-MB	BE54519.D	100	88	107	110

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro m-xylene	10-143%
S2 = Decachlorobiphenyl	10-172%
(a) Recovery from GC signal #1	
(b) Recovery from GC signal #2	
(c) Outside control limits due to possible matrix interference.	
(d) Outside control limits due to possible matrix interference. Sample results confirmed by reanalysis.	

Job Number: MC49976

Account: ENVTRAC EnviroTrac, Ltd.

Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Method: SW846 8082A	Matrix: SO
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Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a	S1 ^b	S2 ^a	S2 ^b
MC49976-4	BK65073.D	78	57	85	68
MC49976-8	BK65074.D	86	77	93	82
MC49976-12	BK65075.D	84	73	95	80
MC49976-16	BK65076.D	81	57	96	79
MC49976-20	BK65077.D	76	63	86	76
MC49976-24	BK65078.D	81	55	87	65
MC49976-28	BK65079.D	90	80	98	89
MC49976-32	BK65085.D	84	67	102	79
MC49976-36	BK65086.D	90	81	102	88
MC49976-40	BK65087.D	83	64	99	87
MC49976-44	BK65088.D	82	78	91	81
MC49976-48	BK65089.D	87	79	102	92
MC49976-52	BK65090.D	84	74	96	82
MC49976-56	BK65091.D	80	68	91	79
MC49976-60	BK65092.D	76	55	83	64
MC49976-64	BK65093.D	70	57	79	67
MC49976-68	BK65094.D	79	57	89	67
MC49976-72	BK65096.D	80	54	92	66
MC49976-76	BK65097.D	75	52	95	70
OP49566-BS	BK65071.D	90	93	87	92
OP49566-BSD	BK65072.D	88	86	83	79
OP49566-MB	BK65070.D	99	100	90	93

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	25-145%
S2 = Decachlorobiphenyl	25-179%
(a) Recovery from GC signal #1	
(b) Recovery from GC signal #2	

Semivolatiles Surrogate Recovery Summary

Job Number: MC49976
Account: ENV/Trac EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Page 1 of 1

Method: SW846 8015	Matrix: SO
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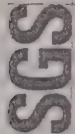
Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a
MC49976-4	CR4499.D	100
MC49976-8	CR4493.D	91
MC49976-12	CR4502.D	102
MC49976-16	CR4501.D	115
MC49976-20	CR4494.D	96
MC49976-24	CR4503.D	112
MC49976-28	CR4495.D	94
MC49976-32	CR4496.D	105
MC49976-36	CR4504.D	105
MC49976-40	CR4497.D	99
MC49976-44	CR4505.D	88
MC49976-48	CR4506.D	111
MC49976-52	CR4498.D	106
MC49976-56	CR4507.D	91
MC49976-60	CR4508.D	117
MC49976-64	CR4509.D	107
MC49976-68	CR4510.D	108
MC49976-72	CR4512.D	110
MC49976-76	CR4513.D	107
OP49565-BS	CR4491.D	109
OP49565-PSD	CR4492.D	97
OP49565-MB	CR4490.D	93

Surrogate Compounds Recovery Limits

S1 = o-Terphenyl 17 130%

(a) Recovery from GC signal #1



ACCUTEST
New England

Section 10

Misc. Forms

Custody Documents and Other Forms

(SGS Accutest New Jersey)

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- QC Evaluation: MA MCP Limits

9.3.3

9

10

[illegible]

SUS

ACCUTEST

502 August Dr., 651 Cambridge Center West, Bldg One, Northborough, MA 01731

TEL: 508-451-6200 FAX: 508-451-7311

www.apt.com

FAC ID Training #

Sample Code #

MCP Number

MC48978

Client / Reporting Information

Company Name

SUS Accutest

Company Address

485 Technology Center West, Bldg One

City

Northborough, MA 01731

State

MA

Zip

01731

Project Contact

Email

Teresa.Lynch@accutest.com

Phone

508-451-4200

Fax

508-451-4200

Company Name

LPM

Project Information

Project Name

Maggara Somerville, 343 351 Summer Street, Somerville, MA

Site

City

State

MA

Zip

02143

Project #

0171

Client Reference Order #

0171

Project Manager

LPM

Collection

Time

Date

3/28/17

Time

12:55:00 PM

Date

3/28/17

Time

1:05:00 PM

Date

3/28/17

Time

1:45:00 PM

Date

3/28/17

Time

1:45:00 PM

Date

3/28/17

Time

1:50:00 PM

Date

3/28/17

Time

1:50:00 PM

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3/28/17

Time

1:50:00 PM

Date

3/28/17

Time

1:50:00 PM

Date

3/28/17

Time

1:50:00 PM

Date

3/28/17

Time

1:50:00 PM

Date

3/28/17

Bldg Information (if different from Report to)

Company Name

Street Address

City

State

Zip

02143

Project #

0171

Client Reference Order #

0171

Project Manager

LPM

Collection

Time

Date

3/28/17

Time

12:55:00 PM

Date

3/28/17

Time

1:05:00 PM

Date

3/28/17

Time

1:45:00 PM

Date

3/28/17

Time

1:45:00 PM

CHAIN OF CUSTODY

[illegible]

CHAIN OF CUSTODY

[illegible]

Internal Sample Tracking Chronicle

SGS Accutest New England
ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC49976

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-1 Collected: 28 MAR-17 09:50 By: LMFM Received: 29-MAR-17 By: AS PC-1 0-5'						
MC49976-1	SM2540 G-97	03-APR-17 19:15	SA			SOL104
MC49976-1	SW846 6010C	04-APR-17 16:45	AB	01-APR-17	AA	PB
MC49976-2 Collected: 28 MAR-17 10:04 By: LMFM Received: 29-MAR-17 By: AS PC-1 5-10'						
MC49976-2	SM2540 G-97	03 APR 17 19:15	SA			SOL104
MC49976-2	SW846 6010C	04 APR 17 16:39	AB	01-APR-17	AA	PB
MC49976-3 Collected: 28 MAR-17 10:12 By: LMFM Received: 29-MAR-17 By: AS PC-1 10-15'						
MC49976-3	SM2540 G-97	03-APR-17 19:15	SA			SOL104
MC49976-3	SW846 6010C	04 APR 17 16:48	AB	01-APR-17	AA	PB
MC49976-4 Collected: 28-MAR-17 10:12 By: LMFM Received: 29-MAR-17 By: AS PC-1 0-15' COMP						
MC49976-4	SW846 7471B	01-APR-17 10:23	JA	01-APR-17	JA	HG
MC49976-4	SW846 CHAP7/9034	03-APR-17 04:13	MP	02 APR 17	CB	SREAC
MC49976-4	SW846 CHAP7/9012 B	03 APR 17 12:17	YZ	02 APR 17	CB	CREAC
MC49976-4	SM2540 G-97	03-APR-17 19:15	SA			SOL104
MC49976-4	SM2510B-11M/SW9050	03-APR-17 04:47	ST			SCON
MC49976-4	SW846 1010A/ASTM D38	04-APR-17 16:00	PO			IGN
MC49976-4	SW846 6010C	04-APR-17 16:59	AB	01-APR-17	AA	AG,AS,BA,CD,CR,PB,SE
MC49976-4	SW846 9045D	05-APR-17 11:36	PO			PH
MC49976-4	SW846 8151	10-APR-17 11:41	VDT	08-APR-17	RF	H8151STD
MC49976-5 Collected: 28-MAR-17 10:20 By: LMFM Received: 29-MAR-17 By: AS PC-2 0-5'						
MC49976-5	SM2540 G-97	03-APR-17 19:15	SA			SOL104
MC49976-5	SW846 6010C	04-APR-17 17:02	AB	01-APR-17	AA	PB
MC49976-6 Collected: 28-MAR-17 10:28 By: LMFM Received: 29-MAR-17 By: AS PC-2 5-10'						

Internal Sample Tracking Chronicle

SGS Accutest New England
ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC49976

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-6 SM2540 G-97 MC49976-6 SW846 6010C						
		03-APR-17 19:15	SA			SOL104
		04-APR-17 17:05	AB	01-APR-17	AA	PB
MC49976-7 Collected: 28 MAR-17 10:34 By: LMFM Received: 29-MAR-17 By: AS PC-2 10-15'						
MC49976-7	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-7	SW846 6010C	04 APR 17 17:08	AB	01-APR-17	AA	PB
MC49976-8 Collected: 28-MAR-17 10:34 By: LMFM Received: 29-MAR-17 By: AS PC-2 0-15' COMP						
MC49976-8	SW846 7471B	01-APR-17 10:24	JA	01-APR-17	JA	HG
MC49976-8	SW846 CHAP7/9034	03-APR-17 04:13	MP	02-APR-17	CB	SREAC
MC49976-8	SW846 CHAP7/9012 B	03-APR-17 12:18	YZ	02-APR-17	CB	CREAC
MC49976-8	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-8	SM2510B-11M/SW9050	03-APR-17 04:47	ST			SCON
MC49976-8	SW846 1010A/ASTM D38	04 APR 17 16:00	PO			IGN
MC49976-8	SW846 6010C	04 APR 17 17:11	AB	01-APR-17	AA	AG,AS,BA,CD,CR,PB,SE
MC49976-8	SW846 9045D	05-APR-17 11:36	PO			PH
MC49976-8	SW846 8151	07-APR-17 01:40	VDT	05-APR-17	FN	H8151STD
MC49976-9 Collected: 28-MAR-17 10:40 By: LMFM Received: 29-MAR-17 By: AS PC-3 0-5'						
MC49976-9	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-9	SW846 6010C	04-APR-17 17:14	AB	01-APR-17	AA	PB
MC49976-10 Collected: 28-MAR-17 10:45 By: LMFM Received: 29-MAR-17 By: AS PC-3 5-10'						
MC49976-10	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-10	SW846 6010C	04 APR 17 17:17	AB	01-APR-17	AA	PB
MC49976-11 Collected: 28-MAR-17 10:50 By: LMFM Received: 29-MAR-17 By: AS PC-3 10-15'						
MC49976-11	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-11	SW846 6010C	04 APR 17 17:20	AB	01-APR-17	AA	PB

Internal Sample Tracking Chronicle

SGS Accutest New England
ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC49976

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-1C Collected: 28-MAR-17 10:50 By: LMFM Received: 29-MAR-17 By: AS						
PC-3 0-15' COMP						
MC49976-1	1SW846 7471B	01-APR-17 10:26	JA	01-APR-17	JA	HG
MC49976-1	1SW846 CHAP7/9034	03-APR-17 04:13	MP	02-APR-17	CB	SREAC
MC49976-1	1SW846 CHAP7/9012 B	03-APR-17 12:20	YZ	02-APR-17	CB	CREAC
MC49976-1	1SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-1	1SM2510B-11M/SW9050	03-APR-17 04:47	ST			SCON
MC49976-1	1SW846 1010A/ASTM D88	03-APR-17 16:00	PO			IGN
MC49976-1	1SW846 6010C	04-APR-17 17:23	AB	01-APR-17	AA	AG,AS,BA,CD,CR,PB,SE
MC49976-1	1SW846 9045D	05-APR-17 11:36	PO			PH
MC49976-1	1SW846 8151	10-APR-17 12:10	VDT	08-APR-17	RF	H8151STD
MC49976-1C Collected: 28-MAR-17 11:00 By: LMFM Received: 29-MAR-17 By: AS						
PC-4 0-5'						
MC49976-1	1SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-1	1SW846 6010C	04-APR-17 17:32	AB	01-APR-17	AA	PB
MC49976-1C Collected: 28-MAR-17 11:07 By: LMFM Received: 29-MAR-17 By: AS						
PC-4 5-10'						
MC49976-1	1SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-1	1SW846 6010C	04-APR-17 17:35	AB	01-APR-17	AA	PB
MC49976-1C Collected: 28-MAR-17 11:14 By: LMFM Received: 29-MAR-17 By: AS						
PC-4 10-15'						
MC49976-1	1SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-1	1SW846 6010C	04-APR-17 17:38	AB	01-APR-17	AA	PB
MC49976-1C Collected: 28-MAR-17 11:14 By: LMFM Received: 29-MAR-17 By: AS						
PC-4 0-15' COMP						
MC49976-1	1SW846 7471B	01-APR-17 10:27	JA	01-APR-17	JA	HG
MC49976-1	1SW846 CHAP7/9034	03-APR-17 04:13	MP	02-APR-17	CB	SREAC
MC49976-1	1SW846 CHAP7/9012 B	03-APR-17 12:21	YZ	02-APR-17	CB	CREAC
MC49976-1	1SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-1	1SM2510B-11M/SW9050	03-APR-17 04:47	ST			SCON

Internal Sample Tracking Chronicle

SGS Accutest New England
ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC49976

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-1C Collected: 28-MAR-17 11:30 By: LMFM Received: 29-MAR-17 By: AS						
PC-5 0-5'						
MC49976-1	1SW846 6010C	04-APR-17 17:41	AB	01-APR-17	AA	AG,AS,BA,CD,CR,PB,SE
MC49976-1	1SW846 9045D	05-APR-17 11:36	PO			PH
MC49976-1	1SW846 1010A/ASTM D88	05-APR-17 16:35	PO			IGN
MC49976-1	1SW846 8151	10-APR-17 12:39	VDT	08-APR-17	RF	H8151STD
MC49976-1C Collected: 28-MAR-17 11:38 By: LMFM Received: 29-MAR-17 By: AS						
PC-5 5-10'						
MC49976-1	1SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-1	1SW846 6010C	04-APR-17 17:44	AB	01-APR-17	AA	PB
MC49976-1C Collected: 28-MAR-17 11:45 By: LMFM Received: 29-MAR-17 By: AS						
PC-5 10-15'						
MC49976-1	1SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-1	1SW846 6010C	04-APR-17 17:50	AB	01-APR-17	AA	PB
MC49976-2C Collected: 28-MAR-17 11:45 By: LMFM Received: 29-MAR-17 By: AS						
PC-5 0-15' COMP						
MC49976-2	1SW846 7471B	01-APR-17 10:28	JA	01-APR-17	JA	HG
MC49976-2	1SW846 CHAP7/9034	03-APR-17 04:13	MP	02-APR-17	CB	SREAC
MC49976-2	1SW846 CHAP7/9012 B	03-APR-17 12:22	YZ	02-APR-17	CB	CREAC
MC49976-2	1SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-2	1SM2510B-11M/SW9050	03-APR-17 04:47	ST			SCON
MC49976-2	1SW846 6010C	04-APR-17 17:53	AB	01-APR-17	AA	AG,AS,BA,CD,CR,PB,SE
MC49976-2	1SW846 9045D	05-APR-17 11:36	PO			PH
MC49976-2	1SW846 1010A/ASTM D88	05-APR-17 16:35	PO			IGN
MC49976-2	1SW846 8151	07-APR-17 04:32	VDT	05-APR-17	FN	H8151STD
MC49976-2C Collected: 28-MAR-17 11:50 By: LMFM Received: 29-MAR-17 By: AS						
PC-6 0-5'						
MC49976-2	1SM2540 G-97	03-APR-17 19:15	JV			SOL104

Internal Sample Tracking Chronicle

SGS Accutest New England
ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC49976

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-2	2SW846 6010C	03-APR-17 19:59	ND	01-APR-17	AA	PB
MC49976-2XCollected: 28 MAR 17 11:55 By: LMFM Received: 29-MAR-17 By: AS						
PC-6 5-10'						
MC49976-2	2SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-2	2SW846 6010C	03-APR-17 19:50	ND	01-APR-17	AA	PB
MC49976-2XCollected: 28-MAR-17 12:00 By: LMFM Received: 29-MAR-17 By: AS						
PC-6 10-15'						
MC49976-2	2SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-2	2SW846 6010C	03-APR-17 20:03	ND	01-APR-17	AA	PB
MC49976-2XCollected: 28-MAR-17 12:00 By: LMFM Received: 29-MAR-17 By: AS						
PC-6 0-15' COMP						
MC49976-2	2SW846 7471B	01-APR-17 10:30	JA	01-APR-17	JA	HG
MC49976-2	SW846 CHAP7/9034	03 APR 17 04:13	MP	02-APR-17	CB	SREAC
MC49976-2	SW846 CHAP7/9012 B	03-APR-17 12:27	YZ	02-APR-17	CB	CREAC
MC49976-2	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-2	SW846 6010C	03-APR-17 20:07	ND	01-APR-17	AA	AG,AS,BA,CD,CR,PB,SE
MC49976-2	SM2510B-11M/SW9050	04-APR-17 04:47	ST			SCON
MC49976-2	SW846 9045D	05-APR-17 11:36	PO			PH
MC49976-2	SW846 1010A/ASTM D33	03-APR-17 16:35	PO			IGN
MC49976-2	SW846 8151	10-APR-17 13:08	VDT	08-APR-17	RF	H8151STD
MC49976-2XCollected: 28 MAR-17 12:05 By: LMFM Received: 29-MAR-17 By: AS						
PC-7 0-5'						
MC49976-2	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-2	SW846 6010C	03-APR-17 20:11	ND	01-APR-17	AA	PB
MC49976-2XCollected: 28-MAR-17 12:10 By: LMFM Received: 29-MAR-17 By: AS						
PC-7 5-10'						
MC49976-2	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-2	SW846 6010C	03-APR-17 20:15	ND	01-APR-17	AA	PB

Internal Sample Tracking Chronicle

SGS Accutest New England
ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC49976

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-2XCollected: 28-MAR-17 12:15 By: LMFM Received: 29-MAR-17 By: AS						
PC-7 10-15'						
MC49976-2	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-2	SW846 6010C	03-APR-17 20:28	ND	01-APR-17	AA	PB
MC49976-2XCollected: 28-MAR-17 12:15 By: LMFM Received: 29-MAR-17 By: AS						
PC-7 0-15' COMP						
MC49976-2	SW846 7471B	01-APR-17 10:32	JA	01-APR-17	JA	HG
MC49976-2	SW846 CHAP7/9034	03-APR-17 04:13	MP	02-APR-17	CB	SREAC
MC49976-2	SW846 CHAP7/9012 B	03-APR-17 12:28	YZ	02-APR-17	CB	CREAC
MC49976-2	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-2	SW846 6010C	03 APR 17 20:32	ND	01-APR-17	AA	AG,AS,BA,CD,CR,PB,SE
MC49976-2	SM2510B-11M/SW9050	04-APR-17 04:47	ST			SCON
MC49976-2	SW846 9045D	05-APR-17 11:36	PO			PH
MC49976-2	SW846 1010A/ASTM D33	03-APR-17 16:35	PO			IGN
MC49976-2	SW846 8151	10-APR-17 10:16	VDT	08-APR-17	RF	H8151STD
MC49976-2XCollected: 28-MAR-17 12:20 By: LMFM Received: 29-MAR-17 By: AS						
PC-8 0-5'						
MC49976-2	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-2	SW846 6010C	03 APR 17 20:37	ND	01-APR-17	AA	PB
MC49976-3XCollected: 28-MAR-17 12:28 By: LMFM Received: 29-MAR-17 By: AS						
PC-8 5-10'						
MC49976-3	SM2540 G-97	03 APR 17 19:15	JV			SOL104
MC49976-3	SW846 6010C	03-APR-17 20:41	ND	01-APR-17	AA	PB
MC49976-3XCollected: 28-MAR-17 12:35 By: LMFM Received: 29-MAR-17 By: AS						
PC-8 10-15'						
MC49976-3	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-3	SW846 6010C	03-APR-17 20:45	ND	01-APR-17	AA	PB

Internal Sample Tracking Chronicle

SGS Accutest New England
ENV/TRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC49976

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976 3C Collected: 28-MAR-17 12:35 By: LMFM Received: 29-MAR-17 By: AS						
PC-8 0-15' COMP						
MC49976 3SW846 7471B		01 APR 17 10:33	JA	01-APR-17	JA	HG
MC49976 3SW846 CHAP7/9034		03 APR 17 04:13	MP	02 APR 17	CB	SREAC
MC49976 3SW846 CHAP7/9012 B		03-APR-17 12:29	YZ	02-APR-17	CB	CREAC
MC49976 3SM2540 G-97		03-APR-17 19:15	JV			SOL104
MC49976 3SW846 6010C		03-APR-17 20:49	ND	01-APR-17	AA	AG,AS,BA,CD,CR,PB,SE
MC49976 3SM2510B 11M/SW9050		03-APR-17 04:47	ST			SCON
MC49976 3SW846 9045D		05 APR 17 11:36	PO			PH
MC49976 3SW846 1010A/ASTM D33		03 APR 17 16:35	PO			IGN
MC49976 3SW846 8151		10-APR-17 10:44	VDT	08-APR-17	RF	H8151STD
MC49976 3C Collected: 28-MAR-17 12:40 By: LMFM Received: 29-MAR-17 By: AS						
PC-9 0-5'						
MC49976 3SM2540 G-97		03-APR-17 19:15	JV			SOL104
MC49976 3SW846 6010C		03-APR-17 20:53	ND	01-APR-17	AA	PB
MC49976 3C Collected: 28-MAR-17 12:45 By: LMFM Received: 29-MAR-17 By: AS						
PC-9 5-10'						
MC49976 3SM2540 G-97		03 APR 17 19:15	JV			SOL104
MC49976 3SW846 6010C		03-APR-17 20:58	ND	01-APR-17	AA	PB
MC49976 3C Collected: 28-MAR-17 12:50 By: LMFM Received: 29-MAR-17 By: AS						
PC-9 10-15'						
MC49976 3SM2540 G-97		03-APR-17 19:15	JV			SOL104
MC49976 3SW846 6010C		03-APR-17 21:02	ND	01-APR-17	AA	PB
MC49976 3C Collected: 28-MAR-17 12:50 By: LMFM Received: 29-MAR-17 By: AS						
PC-9 0 15' COMP						
MC49976 3SW846 7471B		01-APR-17 12:44	JA	01-APR-17	JA	HG
MC49976 3SW846 CHAP7/9034		03-APR-17 04:13	MP	02-APR-17	CB	SREAC
MC49976 3SW846 CHAP7/9012 B		03-APR-17 12:31	YZ	02-APR-17	CB	CREAC
MC49976 3SM2540 G-97		03 APR 17 19:15	JV			SOL104
MC49976 3SW846 6010C		03-APR-17 21:15	ND	01-APR-17	AA	AG,AS,BA,CD,CR,PB,SE

Internal Sample Tracking Chronicle

SGS Accutest New England
ENV/TRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC49976

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976 3SM2510B 11M/SW9050						
MC49976 3SW846 9045D						
MC49976 3SW846 1010A/ASTM D33						
MC49976 3SW846 8151						
MC49976 3C Collected: 28-MAR-17 12:55 By: LMFM Received: 29-MAR-17 By: AS						
PC-10 0-5'						
MC49976 3SM2540 G-97		03-APR 17 19:15	JV			SOL104
MC49976 3SW846 6010C		03-APR 17 21:19	ND	01-APR-17	AA	PB
MC49976 3C Collected: 28-MAR-17 13:05 By: LMFM Received: 29-MAR-17 By: AS						
PC-10 5-10'						
MC49976 3SM2540 G-97		03-APR-17 19:15	JV			SOL104
MC49976 3SW846 6010C		03 APR 17 21:23	ND	01-APR-17	AA	PB
MC49976 3C Collected: 28-MAR-17 13:14 By: LMFM Received: 29-MAR-17 By: AS						
PC-10 10-15'						
MC49976 3SM2540 G-97		03-APR-17 19:15	JV			SOL104
MC49976 3SW846 6010C		03-APR-17 21:27	ND	01-APR-17	AA	PB
MC49976 4C Collected: 28-MAR-17 13:14 By: LMFM Received: 29-MAR-17 By: AS						
PC-10 0-15' COMP						
MC49976 4SW846 7471B		01-APR 17 10:36	JA	01-APR-17	JA	HG
MC49976 4SW846 CHAP7/9034		03 APR 17 04:13	MP	02-APR-17	CB	SREAC
MC49976 4SW846 CHAP7/9012 B		03-APR-17 12:32	YZ	02 APR 17	CB	CREAC
MC49976 4SM2540 G-97		03-APR-17 19:15	JV			SOL104
MC49976 4SW846 6010C		03 APR 17 21:31	ND	01-APR-17	AA	AG,AS,BA,CD,CR,PB,SE
MC49976 4SM2510B 11M/SW9050		03-APR-17 04:47	ST			SCON
MC49976 4SW846 6010C		04 APR 17 16:15	AB	01-APR-17	AA	AG
MC49976 4SW846 9045D		05-APR-17 11:36	PO			PH
MC49976 4SW846 1010A/ASTM D33		03 APR 17 16:35	PO			IGN
MC49976 4SW846 8151		07 APR 17 06:54	VDT	05-APR-17	FN	H8151STD
MC49976 4C Collected: 28-MAR-17 13:20 By: LMFM Received: 29-MAR-17 By: AS						
PC-11 0-5'						

Internal Sample Tracking Chronicle

SGS Accutest New England
ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC49976

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-4SM2540 G-97		03-APR-17 19:15	JV			SOL104
MC49976-4SW846 6010C		04-APR-17 18:39	AB	02-APR-17	AA	PB
MC49976-4C Collected: 28-MAR-17 13:25 By: LMFM Received: 29-MAR-17 By: AS						
PC-11 5-10'						
MC49976-4SM2540 G-97		03-APR-17 19:15	JV			SOL104
MC49976-4SW846 6010C		04-APR-17 18:45	AB	02-APR-17	AA	PB
MC49976-4C Collected: 28-MAR-17 13:33 By: LMFM Received: 29-MAR-17 By: AS						
PC-11 10 15'						
MC49976-4SM2540 G-97		03-APR-17 19:15	JV			SOL104
MC49976-4SW846 6010C		04-APR-17 18:48	AB	02-APR-17	AA	PB
MC49976-4C Collected: 28-MAR-17 13:33 By: LMFM Received: 29-MAR-17 By: AS						
PC-11 0 15' COMP						
MC49976-4SW846 7471B		01-APR-17 10:42	JA	01-APR-17	JA	HG
MC49976-4SW846 CHAP7/9034		03-APR-17 04:13	MP	02-APR-17	CB	SREAC
MC49976-4SW846 CHAP7/9012 B		03-APR-17 12:33	YZ	02-APR-17	CB	CREAC
MC49976-4SM2540 G-97		03-APR-17 19:15	JV			SOL104
MC49976-4SM2510B-11M/SW9050		04-APR-17 04:47	ST			SCON
MC49976-4SW846 6010C		04-APR-17 18:57	AB	02-APR-17	AA	AG,AS,BA,CD,CR,PB,SE
MC49976-4SW846 9045D		05-APR-17 11:36	PO			PH
MC49976-4SW846 1010A/ASTM D883		03-APR-17 16:35	PO			IGN
MC49976-4SW846 8151		10-APR-17 11:42	VDT	08-APR-17	RF	H8151STD
MC49976-4C Collected: 28-MAR-17 13:40 By: LMFM Received: 29-MAR-17 By: AS						
PC-12 0 5'						
MC49976-4SM2540 G-97		03-APR-17 19:15	JV			SOL104
MC49976-4SW846 6010C		04-APR-17 19:00	AB	02-APR-17	AA	PB
MC49976-4C Collected: 28-MAR-17 13:45 By: LMFM Received: 29-MAR-17 By: AS						
PC-12 5-10'						
MC49976-4SM2540 G-97		03-APR-17 19:15	JV			SOL104
MC49976-4SW846 6010C		04-APR-17 19:03	AB	02-APR-17	AA	PB

Internal Sample Tracking Chronicle

SGS Accutest New England
ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC49976

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-4C Collected: 28-MAR-17 13:50 By: LMFM Received: 29-MAR-17 By: AS						
PC-12 10 15'						
MC49976-4SM2540 G-97		03-APR-17 19:15	JV			SOL104
MC49976-4SW846 6010C		04-APR-17 19:06	AB	02-APR-17	AA	PB
MC49976-4C Collected: 28-MAR-17 13:50 By: LMFM Received: 29-MAR-17 By: AS						
PC-12 0 15' COMP						
MC49976-4SW846 7471B		01-APR-17 10:43	JA	01-APR-17	JA	HG
MC49976-4SW846 CHAP7/9034		03-APR-17 04:13	MP	02-APR-17	CB	SREAC
MC49976-4SW846 CHAP7/9012 B		03-APR-17 12:35	YZ	02-APR-17	CB	CREAC
MC49976-4SM2540 G-97		03-APR-17 19:15	JV			SOL104
MC49976-4SM2510B-11M/SW9050		04-APR-17 04:47	ST			SCON
MC49976-4SW846 6010C		04-APR-17 19:09	AB	02-APR-17	AA	AG,AS,BA,CD,CR,PB,SE
MC49976-4SW846 9045D		05-APR-17 11:36	PO			PH
MC49976-4SW846 1010A/ASTM D883		03-APR-17 16:35	PO			IGN
MC49976-4SW846 8151		06-APR-17 19:19	VDT	05-APR-17	FN	H8151STD
MC49976-4C Collected: 28-MAR-17 13:55 By: LMFM Received: 29-MAR-17 By: AS						
PC-13 0 5'						
MC49976-4SM2540 G-97		03-APR-17 19:15	JV			SOL104
MC49976-4SW846 6010C		04-APR-17 19:12	AB	02-APR-17	AA	PB
MC49976-5C Collected: 28-MAR-17 14:00 By: LMFM Received: 29-MAR-17 By: AS						
PC-13 5-10'						
MC49976-5SM2540 G-97		03-APR-17 19:15	JV			SOL104
MC49976-5SW846 6010C		04-APR-17 19:15	AB	02-APR-17	AA	PB
MC49976-5C Collected: 28-MAR-17 14:07 By: LMFM Received: 29-MAR-17 By: AS						
PC-13 10 15'						
MC49976-5SM2540 G-97		03-APR-17 19:15	JV			SOL104
MC49976-5SW846 6010C		04-APR-17 19:18	AB	02-APR-17	AA	PB

Internal Sample Tracking Chronicle

SGS Accutest New England
ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC49976

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-55Collected: 28-MAR-17 14:07 By: LMFM Received: 29-MAR-17 By: AS						
PC 13 0 15' COMP						
MC49976-55	SW846 7471B	01-APR-17 10:45	JA	01-APR-17	JA	HG
MC49976-55	SW846 CHAP7/9034	03 APR 17 04:13	MP	02-APR-17	CB	SREAC
MC49976-55	SW846 CHAP7/9012 B	03-APR-17 12:36	YZ	02-APR-17	CB	CREAC
MC49976-55	M2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-55	M2510B 11M/SW9050	04-APR-17 04:47	ST			SCON
MC49976-55	SW846 6010C	04 APR 17 19:21	AB	02-APR-17	AA	AG,AS,BA,CD,CR,PB,SE
MC49976-55	SW846 9045D	05 APR 17 11:36	PO			PH
MC49976-55	SW846 1010A/ASTM D68	06-APR-17 16:35	PO			IGN
MC49976-55	SW846 8151	06-APR-17 19:48	VDT	05-APR-17	FN	H8151STD
MC49976-55Collected: 28-MAR-17 14:10 By: LMFM Received: 29-MAR-17 By: AS						
PC-14 0-5'						
MC49976-55	M2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-55	SW846 6010C	04-APR-17 19:30	AB	02-APR-17	AA	PB
MC49976-55Collected: 28-MAR-17 14:14 By: LMFM Received: 29-MAR-17 By: AS						
PC-14 5-10'						
MC49976-55	M2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-55	SW846 6010C	04-APR-17 19:34	AB	02-APR-17	AA	PB
MC49976-55Collected: 28-MAR-17 14:18 By: LMFM Received: 29-MAR-17 By: AS						
PC-14 10 15'						
MC49976-55	M2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-55	SW846 6010C	04-APR-17 19:37	AB	02-APR-17	AA	PB
MC49976-55Collected: 28-MAR-17 14:18 By: LMFM Received: 29-MAR-17 By: AS						
PC 14 0-15' COMP						
MC49976-55	SW846 7471B	01 APR 17 10:47	JA	01-APR-17	JA	HG
MC49976-55	SW846 CHAP7/9034	03 APR 17 04:13	MP	02-APR-17	CB	SREAC
MC49976-55	SW846 CHAP7/9012 B	03 APR 17 12:37	YZ	02-APR-17	CB	CREAC
MC49976-55	M2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-55	M2510B 11M/SW9050	04-APR-17 04:47	ST			SCON

Internal Sample Tracking Chronicle

SGS Accutest New England
ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC49976

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-55Collected: 28-MAR-17 14:20 By: LMFM Received: 29-MAR-17 By: AS						
PC-15 0-5'						
MC49976-55	SW846 6010C	04-APR-17 19:40	AB	02-APR-17	AA	AG,AS,BA,CD,CR,PB,SE
MC49976-55	SW846 9045D	05-APR-17 11:36	PO			PH
MC49976-55	SW846 1010A/ASTM D68	06-APR-17 16:35	PO			IGN
MC49976-55	SW846 8151	06-APR-17 20:16	VDT	05-APR-17	FN	H8151STD
MC49976-55Collected: 28-MAR-17 14:22 By: LMFM Received: 29-MAR-17 By: AS						
PC-15 5-10'						
MC49976-55	M2540 G-97	03 APR 17 19:15	JV			SOL104
MC49976-55	SW846 6010C	04 APR 17 19:43	AB	02-APR-17	AA	PB
MC49976-58Collected: 28-MAR-17 14:22 By: LMFM Received: 29-MAR-17 By: AS						
PC-15 5-10'						
MC49976-58	M2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-58	SW846 6010C	04-APR-17 19:46	AB	02-APR-17	AA	PB
MC49976-55Collected: 28-MAR-17 14:28 By: LMFM Received: 29-MAR-17 By: AS						
PC-15 10-15'						
MC49976-55	M2540 G-97	03 APR 17 19:15	JV			SOL104
MC49976-55	SW846 6010C	04 APR 17 19:49	AB	02-APR-17	AA	PB
MC49976-60Collected: 28-MAR-17 14:28 By: LMFM Received: 29-MAR-17 By: AS						
PC-15 0-15' COMP						
MC49976-60	SW846 7471B	01-APR-17 10:49	JA	01-APR-17	JA	HG
MC49976-60	SW846 CHAP7/9034	03 APR 17 04:13	MP	02-APR-17	CB	SREAC
MC49976-60	SW846 CHAP7/9012 B	03-APR-17 12:39	YZ	02-APR-17	CB	CREAC
MC49976-60	M2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-60	M2510B 11M/SW9050	04-APR-17 04:47	ST			SCON
MC49976-60	SW846 6010C	04 APR 17 19:52	AB	02 APR 17	AA	AG,AS,BA,CD,CR,PB,SE
MC49976-60	SW846 9045D	05-APR-17 11:36	PO			PH
MC49976-60	SW846 1010A/ASTM D68	06-APR-17 16:35	PO			IGN
MC49976-60	SW846 8151	06-APR-17 22:40	VDT	05-APR-17	FN	H8151STD
MC49976-60Collected: 28-MAR-17 14:30 By: LMFM Received: 29-MAR-17 By: AS						
PC-16A 0-5'						
MC49976-60	M2540 G-97	03-APR-17 19:15	JV			SOL104

Internal Sample Tracking Chronicle

SGS Accutest New England

ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No:

MC49976

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-65	6SW846 6010C	05-APR-17 14:29	AB	02-APR-17	AA	PB
MC49976-65 Collected: 28-MAR-17 14:38 By: LMFM Received: 29-MAR-17 By: AS						
PC 16B 0.5'						
MC49976-65M2540 G-97		03-APR-17 19:15	JV			SOL104
MC49976-65W846 6010C		05-APR-17 14:32	AB	02-APR-17	AA	PB
MC49976-65 Collected: 28-MAR-17 14:45 By: LMFM Received: 29-MAR-17 By: AS						
PC 16C 0.5'						
MC49976-65M2540 G-97		03-APR-17 19:15	JV			SOL104
MC49976-65W846 6010C		04-APR-17 21:27	AB	02-APR-17	AA	PB
MC49976-65 Collected: 28-MAR-17 14:45 By: LMFM Received: 29-MAR-17 By: AS						
PC 16 0.5' COMP						
MC49976-65W846 7471B		01-APR-17 10:50	JA	01-APR-17	JA	HG
MC49976-65W846 CHAP7/9034		03-APR-17 04:13	MP	02-APR-17	CB	SREAC
MC49976-65W846 CHAP7/9012 B		03-APR-17 12:43	YZ	02-APR-17	CB	CREAC
MC49976-65M2540 G-97		03-APR-17 19:15	JV			SOL104
MC49976-65M2510B 11M/SW9050		04-APR-17 21:30	AB	02-APR-17	AA	AS,CR,PB,SE
MC49976-65W846 6010C		05-APR-17 11:36	PO			PH
MC49976-65W846 6010C		05-APR-17 14:35	AB	02-APR-17	AA	AG,BA,CD
MC49976-65W846 1010A/ASTM D33		03-APR-17 16:35	PO			IGN
MC49976-65W846 8151		10-APR-17 12:11	VDT	08-APR-17	RF	H8151STD
MC49976-65 Collected: 28-MAR-17 14:58 By: LMFM Received: 29-MAR-17 By: AS						
PC 17A 0.5'						
MC49976-65M2540 G-97		03-APR-17 19:15	JV			SOL104
MC49976-65W846 6010C		04-APR-17 21:33	AB	02-APR-17	AA	PB
MC49976-65 Collected: 28-MAR-17 15:05 By: LMFM Received: 29-MAR-17 By: AS						
PC 17B 0.5'						
MC49976-65M2540 G-97		03-APR-17 19:15	JV			SOL104
MC49976-65W846 6010C		04-APR-17 21:36	AB	02-APR-17	AA	PB

Internal Sample Tracking Chronicle

SGS Accutest New England

ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No:

MC49976

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-65 Collected: 28-MAR-17 15:12 By: LMFM Received: 29-MAR-17 By: AS						
PC-17C 0.5'						
MC49976-65M2540 G-97		03-APR-17 19:15	JV			SOL104
MC49976-65W846 6010C		04-APR-17 21:39	AB	02-APR-17	AA	PB
MC49976-65 Collected: 28-MAR-17 15:12 By: LMFM Received: 29-MAR-17 By: AS						
PC-17 0.5' COMP						
MC49976-65W846 7471B		01-APR-17 10:52	JA	01-APR-17	JA	HG
MC49976-65W846 CHAP7/9034		03-APR-17 04:13	MP	02-APR-17	CB	SREAC
MC49976-65W846 CHAP7/9012 B		03-APR-17 12:55	YZ	02-APR-17	CB	CREAC
MC49976-65M2540 G-97		03-APR-17 19:15	JV			SOL104
MC49976-65M2510B 11M/SW9050		04-APR-17 21:42	AB	02-APR-17	AA	AS,CR,PB,SE
MC49976-65W846 6010C		05-APR-17 11:36	PO			PH
MC49976-65W846 9045D		05-APR-17 14:39	AB	02-APR-17	AA	AG,BA,CD
MC49976-65W846 6010C		03-APR-17 16:35	PO			IGN
MC49976-65W846 1010A/ASTM D33		10-APR-17 12:40	VDT	08-APR-17	RF	H8151STD
MC49976-65W846 8151						
MC49976-65 Collected: 28-MAR-17 15:18 By: LMFM Received: 29-MAR-17 By: AS						
PC-18A 0.5'						
MC49976-65M2540 G-97		03-APR-17 19:15	JV			SOL104
MC49976-65W846 6010C		04-APR-17 21:00	AB	02-APR-17	AA	PB
MC49976-70 Collected: 28-MAR-17 15:28 By: LMFM Received: 29-MAR-17 By: AS						
PC-18B 0.5'						
MC49976-70M2540 G-97		03-APR-17 19:15	JV			SOL104
MC49976-70W846 6010C		04-APR-17 21:45	AB	02-APR-17	AA	PB
MC49976-70 Collected: 28-MAR-17 15:33 By: LMFM Received: 29-MAR-17 By: AS						
PC-18C 0.5'						
MC49976-70M2540 G-97		03-APR-17 19:15	JV			SOL104
MC49976-70W846 6010C		04-APR-17 21:54	AB	02-APR-17	AA	PB

Internal Sample Tracking Chronicle

SGS Accutest New England
ENV/TRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC49976

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976 7A Collected: 28 MAR-17 15:33 By: LMFM Received: 29-MAR-17 By: AS						
PC-18 0.5' COMP						
MC49976-7A	7A	01 APR 17 10:54	JA	01-APR-17	JA	HG
MC49976-7A	7A	03 APR 17 04:13	MP	02-APR-17	CB	SREAC
MC49976-7A	7A	03-APR-17 12:46	YZ	02-APR-17	CB	CREAC
MC49976-7A	7A	03-APR-17 19:15	JV			SOL104
MC49976-7A	7A	03-APR-17 04:47	ST			SCON
MC49976-7A	7A	04-APR-17 21:57	AB	02-APR-17	AA	AS,CR,PB,SE
MC49976-7A	7A	05-APR-17 11:36	PO			PH
MC49976-7A	7A	05-APR-17 14:42	AB	02-APR-17	AA	AG,BA,CD
MC49976-7A	7A	05-APR-17 16:35	PO			IGN
MC49976-7A	7A	07-APR-17 00:06	VDT	05-APR-17	FN	H8151STD
MC49976 7A Collected: 28-MAR-17 15:36 By: LMFM Received: 29-MAR-17 By: AS						
PC-19A 0.5'						
MC49976-7A	7A	03 APR 17 19:15	JV			SOL104
MC49976-7A	7A	04-APR-17 22:00	AB	02-APR-17	AA	PB
MC49976-7A Collected: 28-MAR-17 15:38 By: LMFM Received: 29-MAR-17 By: AS						
PC-19B 0.5'						
MC49976-7A	7A	03-APR-17 19:15	JV			SOL104
MC49976-7A	7A	04-APR-17 22:03	AB	02-APR-17	AA	PB
MC49976-7A Collected: 28-MAR-17 15:45 By: LMFM Received: 29-MAR-17 By: AS						
PC-19C 0.5'						
MC49976-7A	7A	03-APR-17 19:15	JV			SOL104
MC49976-7A	7A	04-APR-17 22:06	AB	02-APR-17	AA	PB
MC49976 7A Collected: 28-MAR-17 15:45 By: LMFM Received: 29-MAR-17 By: AS						
PC-19 0.5' COMP						
MC49976-7A	7A	01-APR-17 10:56	JA	01-APR-17	JA	HG
MC49976-7A	7A	03 APR 17 01:13	MP	02-APR-17	CB	SREAC
MC49976-7A	7A	03-APR-17 12:54	YZ	02-APR-17	CB	CREAC
MC49976-7A	7A	03-APR-17 19:15	JV			SOL104

Internal Sample Tracking Chronicle

SGS Accutest New England
ENV/TRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC49976

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976 7A Collected: 28-MAR-17 15:33 By: LMFM Received: 29-MAR-17 By: AS						
PC-18 0.5' COMP						
MC49976-7A	7A	01 APR 17 10:54	JA	01-APR-17	JA	HG
MC49976-7A	7A	03 APR 17 04:13	MP	02-APR-17	CB	SREAC
MC49976-7A	7A	03-APR-17 12:46	YZ	02-APR-17	CB	CREAC
MC49976-7A	7A	03-APR-17 19:15	JV			SOL104
MC49976-7A	7A	03-APR-17 04:47	ST			SCON
MC49976-7A	7A	04-APR-17 21:57	AB	02-APR-17	AA	AS,CR,PB,SE
MC49976-7A	7A	05-APR-17 11:36	PO			PH
MC49976-7A	7A	05-APR-17 14:42	AB	02-APR-17	AA	AG,BA,CD
MC49976-7A	7A	05-APR-17 16:35	PO			IGN
MC49976-7A	7A	07-APR-17 00:06	VDT	05-APR-17	FN	H8151STD

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: SGS Accutest New England
Project: ENVTRAC: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

Page 1 of 2

QC Sample ID	CAS#	Analyte	Sample Result Type	Result	Units Limits
OP1615	SW846 8151				
OP1615-BS1	94-75-7	2,4-D	BSP	REC 108	% 40-140
OP1615-BS1	93-72-1	2,4,5-TP (Silvex)	BSP	REC 109	% 40-140
OP1615-BS1	93-76-5	2,4,5-T	BSP	REC 101	% 40-140
OP1615-BS1	19719-28-9	2,4-DCAA (sig#1)	BSP	SURR 102	% 30-150
OP1615-BS1	19719-28-9	2,4-DCAA (sig#2)	BSP	SURR 99	% 30-150
OP1615-BS1	94-75-7	2,4-D	BSD	REC 100	% 40-140
OP1615-BS1	94-75-7	2,4-D	BSD	RPD 8	% 25
OP1615-BS1	93-72-1	2,4,5-TP (Silvex)	BSD	REC 104	% 40-140
OP1615-BS1	93-72-1	2,4,5-TP (Silvex)	BSD	RPD 5	% 25
OP1615-BS1	93-76-5	2,4,5-T	BSD	REC 95	% 40-140
OP1615-BS1	93-76-5	2,4,5-T	BSD	RPD 6	% 25
OP1615-BS1	19719-28-9	2,4-DCAA (sig#1)	BSD	SURR 102	% 30-150
OP1615-BS1	19719-28-9	2,4-DCAA (sig#2)	BSD	SURR 98	% 30-150
OP1615-MB1	19719-28-9	2,4-DCAA (sig#1)	MB	SURR 84	% 30-150
OP1615-MB1	19719-28-9	2,4-DCAA (sig#2)	MB	SURR 97	% 30-150
MC49976-8	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR 122	% 30-150
MC49976-8	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR 86	% 30-150
MC49976-20	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR 60	% 30-150
MC49976-20	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR 90	% 30-150
MC49976-40	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR 49	% 30-150
MC49976-40	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR 75	% 30-150
MC49976-48	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR 45	% 30-150
MC49976-48	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR 94	% 30-150
MC49976-52	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR 60	% 30-150
MC49976-52	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR 152 ^a	% 30-150
MC49976-56	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR 122	% 30-150
MC49976-56	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR 156 ^a	% 30-150
MC49976-60	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR 39	% 30-150
MC49976-60	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR 65	% 30-150
MC49976-72	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR 39	% 30-150
MC49976-72	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR 51	% 30-150
MC49976-76	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR 120	% 30-150
MC49976-76	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR 173 ^a	% 30-150
OP1744	SW846 8151				
OP1744-BS1	94-75-7	2,4-D	BSP	REC 76	% 40-140
OP1744-BS1	93-72-1	2,4,5-TP (Silvex)	BSP	REC 86	% 40-140
OP1744-BS1	93-76-5	2,4,5-T	BSP	REC 74 ^b	% 40-140
OP1744-BS1	19719-28-9	2,4-DCAA (sig#1)	BSP	SURR 86	% 30-150
OP1744-BS1	19719-28-9	2,4-DCAA (sig#2)	BSP	SURR 90	% 30-150
OP1744-BS1	94-75-7	2,4-D	BSD	REC 80	% 40-140

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: SGS Accutest New England
Project: ENVTRAC: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

Page 2 of 2

QC Sample ID	CAS#	Analyte	Sample Result Type	Result	Units Limits
OP1744-BS1	94-75-7	2,4-D	BSD	RPD 7	% 25
OP1744-BS1	93-72-1	2,4,5-TP (Silvex)	BSD	REC 87	% 40-140
OP1744-BS1	93-72-1	2,4,5-TP (Silvex)	BSD	RPD 1	% 25
OP1744-BS1	93-76-5	2,4,5-T	BSD	REC 75 ^b	% 40-140
OP1744-BS1	93-76-5	2,4,5-T	BSD	RPD 2 ^b	% 25
OP1744-BS1	19719-28-9	2,4-DCAA (sig#1)	BSD	SURR 84	% 30-150
OP1744-BS1	19719-28-9	2,4-DCAA (sig#2)	BSD	SURR 90	% 30-150
OP1744-MB1	19719-28-9	2,4-DCAA (sig#1)	MB	SURR 75	% 30-150
OP1744-MB1	19719-28-9	2,4-DCAA (sig#2)	MB	SURR 92	% 30-150
MC49976-4	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR 73	% 30-150
MC49976-4	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR 87	% 30-150
MC49976-12	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR 64	% 30-150
MC49976-12	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR 73	% 30-150
MC49976-16	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR 72	% 30-150
MC49976-16	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR 80	% 30-150
MC49976-24	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR 85	% 30-150
MC49976-24	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR 86	% 30-150
MC49976-28	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR 90	% 30-150
MC49976-28	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR 67	% 30-150
MC49976-32	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR 93	% 30-150
MC49976-32	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR 66	% 30-150
MC49976-36	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR 100	% 30-150
MC49976-36	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR 73	% 30-150
MC49976-44	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR 102	% 30-150
MC49976-44	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR 75	% 30-150
MC49976-64	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR 111	% 30-150
MC49976-64	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR 82	% 30-150
MC49976-68	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR 109	% 30-150
MC49976-68	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR 83	% 30-150

(a) High percent recoveries and no positive found in the sample.

(b) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

* Sample used for QC is not from job MC49976

Method Blank Summary

Job Number: MC49976
Account: ALNE SGS Accutest New England
Project: ENVTRAC; Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP1615 MB1	QA125116.D	1	04/06/17	VDT	04/05/17	OP1615	GOA4281

The QC reported here applies to the following samples:

Method: SW846 8151

MC49976-8, MC49976-20, MC49976-40, MC49976-48, MC49976-52, MC49976-56, MC49976-60, MC49976-72, MC49976-76

QC Data Summaries

(SGS Accutest New Jersey)

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	17	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.3	ug/kg	
93-76-5	2,4,5-T	ND	3.3	ug/kg	

Limits

CAS No. Surrogate Recoveries

19719-28-9	2,4-DCAA	97%	10-159%
19719-28-9	2,4-DCAA	84%	10-159%

Method Blank Summary

Job Number: MC49976
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP1744-MB1	OAI25175.D	1	04/10/17	VDT	04/08/17	OP1744	GOA4283

The QC reported here applies to the following samples:

Method: SW846 8151

MC49976-4, MC49976-12, MC49976-16, MC49976-24, MC49976-28, MC49976-32, MC49976-36, MC49976-44, MC49976-64, MC49976-68

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	17	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.3	ug/kg	
93-76-5	2,4,5-T	ND	3.3	ug/kg	

CAS No. Surrogate Recoveries

19719-28-9	2,4-DCAA	92%	10-159%
19719-28-9	2,4-DCAA	75%	10-159%

11.1.2 11

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP1615-BS1	OAI25117.D	1	04/06/17	VDT	04/05/17	OP1615	GOA4281
OP1615-BSD	OAI25118.D	1	04/06/17	VDT	04/05/17	OP1615	GOA4281

The QC reported here applies to the following samples:

Method: SW846 8151

MC49976-8, MC49976-20, MC49976-40, MC49976-48, MC49976-52, MC49976-56, MC49976-60, MC49976-72, MC49976-76

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
94-75-7	2,4-D	133	144	108	133	100	8	39-153/30
93-72-1	2,4,5-TP (Silvex)	26.7	29.1	109	27.8	104	5	49-139/30
93-76-5	2,4,5-T	26.7	27.0	101	25.4	95	6	37-135/30

CAS No. Surrogate Recoveries

19719-28-9	2,4-DCAA	99%	102%	10-159%	10-159%
19719-28-9	2,4-DCAA	102%	102%	10-159%	10-159%

11.2.1 11

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP1744-BS1	OA125176.D	1	04/10/17	VDT	04/08/17	OP1744	GOA4283
OP1744-BSD	OA125177.D	1	04/10/17	VDT	04/08/17	OP1744	GOA4283

The QC reported here applies to the following samples:

Method: SW846 8151

MC49976-4, MC49976-12, MC49976-16, MC49976-24, MC49976-28, MC49976-32, MC49976-36, MC49976-44, MC49976-64, MC49976-68

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
94-75-7	2,4-D	133	101	76	106	80	7	39-153/30
93-72-1	2,4,5-TP (Silvex)	26.7	22.9	86	23.1	87	1	49-139/30
93-76-5	2,4,5-T	26.7	19.6	74 ^a	20.0	75 ^a	2 ^a	37-135/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
19719-28-9	2,4-DCAA	90%	90%	10-159%
19719-28-9	2,4-DCAA	86%	84%	10-159%

(a) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

11.2.2

11

Semivolatle Surrogate Recovery Summary

Job Number: MC49976
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Method:	SW846 8151	Matrix:	SO
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Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a	S1 ^b
MC49976-4	OA125178.D	87	73
MC49976-8	OA125122.D	86	122
MC49976-12	OA125179.D	73	64
MC49976-16	OA125180.D	80	72
MC49976-20	OA125128.D	90	60
MC49976-24	OA125181.D	86	85
MC49976-28	3G107743.D	67	90
MC49976-32	3G107744.D	66	93
MC49976-36	3G107745.D	73	100
MC49976-40	OA125133.D	75	49
MC49976-44	3G107746.D	75	102
MC49976-48	3G107673.D	94	45
MC49976-52	3G107674.D	152 ^c	60
MC49976-56	3G107675.D	156 ^c	122
MC49976-60	3G107680.D	65	39
MC49976-64	3G107747.D	82	111
MC49976-68	3G107748.D	83	109
MC49976-72	3G107683.D	51	39
MC49976-76	3G107684.D	173 ^{*c}	120
OP1615-BS1	OA125117.D	99	102
OP1615-BSD	OA125118.D	98	102
OP1615-MB1	OA125116.D	97	84
OP1744-BS1	OA125176.D	90	86
OP1744-BSD	OA125177.D	90	84
OP1744-MB1	OA125175.D	92	75

Surrogate Compounds Recovery Limits

S1 = 2,4-DCAA 10-159%

- (a) Recovery from GC signal #2
- (b) Recovery from GC signal #1
- (c) High percent recoveries and no positive found in the sample.

* = Outside of Control Limits.

Section 12

Metals Analysis

QC Data Summaries

(SGS Accutest New Jersey)

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

Address: 351 Summer Street, Somerville, MA 02143

Phone: (617) 625-1100

Fax: (617) 625-1101

Website: www.sgs.com

Methods: 7700, 7701, 7702, 7703, 7704, 7705, 7706, 7707, 7708, 7709, 7710, 7711, 7712, 7713, 7714, 7715, 7716, 7717, 7718, 7719, 7720, 7721, 7722, 7723, 7724, 7725, 7726, 7727, 7728, 7729, 7730, 7731, 7732, 7733, 7734, 7735, 7736, 7737, 7738, 7739, 7740, 7741, 7742, 7743, 7744, 7745, 7746, 7747, 7748, 7749, 7750, 7751, 7752, 7753, 7754, 7755, 7756, 7757, 7758, 7759, 7760, 7761, 7762, 7763, 7764, 7765, 7766, 7767, 7768, 7769, 7770, 7771, 7772, 7773, 7774, 7775, 7776, 7777, 7778, 7779, 7780, 7781, 7782, 7783, 7784, 7785, 7786, 7787, 7788, 7789, 7790, 7791, 7792, 7793, 7794, 7795, 7796, 7797, 7798, 7799, 7800, 7801, 7802, 7803, 7804, 7805, 7806, 7807, 7808, 7809, 7810, 7811, 7812, 7813, 7814, 7815, 7816, 7817, 7818, 7819, 7820, 7821, 7822, 7823, 7824, 7825, 7826, 7827, 7828, 7829, 7830, 7831, 7832, 7833, 7834, 7835, 7836, 7837, 7838, 7839, 7840, 7841, 7842, 7843, 7844, 7845, 7846, 7847, 7848, 7849, 7850, 7851, 7852, 7853, 7854, 7855, 7856, 7857, 7858, 7859, 7860, 7861, 7862, 7863, 7864, 7865, 7866, 7867, 7868, 7869, 7870, 7871, 7872, 7873, 7874, 7875, 7876, 7877, 7878, 7879, 7880, 7881, 7882, 7883, 7884, 7885, 7886, 7887, 7888, 7889, 7890, 7891, 7892, 7893, 7894, 7895, 7896, 7897, 7898, 7899, 7900, 7901, 7902, 7903, 7904, 7905, 7906, 7907, 7908, 7909, 7910, 7911, 7912, 7913, 7914, 7915, 7916, 7917, 7918, 7919, 7920, 7921, 7922, 7923, 7924, 7925, 7926, 7927, 7928, 7929, 7930, 7931, 7932, 7933, 7934, 7935, 7936, 7937, 7938, 7939, 7940, 7941, 7942, 7943, 7944, 7945, 7946, 7947, 7948, 7949, 7950, 7951, 7952, 7953, 7954, 7955, 7956, 7957, 7958, 7959, 7960, 7961, 7962, 7963, 7964, 7965, 7966, 7967, 7968, 7969, 7970, 7971, 7972, 7973, 7974, 7975, 7976, 7977, 7978, 7979, 7980, 7981, 7982, 7983, 7984, 7985, 7986, 7987, 7988, 7989, 7990, 7991, 7992, 7993, 7994, 7995, 7996, 7997, 7998, 7999, 8000

Matrix Type: SOLID

Units: mg/kg

Element	RL	IDL	ML	UL	UL
Aluminum	50	1.7	2		
Antimony	2.0	.24	.29		
Arsenic	2.0	.14	.21	-0.010	<2.0
Barium	20	.03	.081	0.020	<20
Beryllium	0.20	.02	.022		
Bismuth	1.0	.1	.1		
Boron	10	.18	.45		
Cadmium	0.50	.03	.05	0.030	<0.50
Calcium	500	3.4	1.9		
Chromium	1.0	.07	.12	0.15	<1.0
Cobalt	5.0	.03	.059		
Copper	2.5	.03	.22		
Iron	50	.42	.79		
Lead	2.0	.16	.22	0.060	<2.0
Lithium	2.0	.31	.45		
Magnesium	500	4.3	5.9		
Manganese	1.5	.02	.036		
Molybdenum	2.0	.05	.081		
Nickel	4.0	.06	.076		
Palladium	5.0	.21	.47		
Phosphorus	10	.27	.47		
Potassium	1000	8.2	18		
Selenium	2.0	.42	.46	-0.010	<2.0
Silicon	20	.23	3.7		
Silver	0.50	.1	.099	0.010	<0.50
Sodium	1000	2.5	3.9		
Strontium	1.0	.03	.024		
Sulfur	5.0	.41	.59		
Thallium	1.0	.35	.1		
Tin	5.0	.15	.53		
Titanium	1.0	.07	.13		
Zinc	5.0	.1	.1		
Vanadium	5.0	.05	.083		

12.1.3 12

QC Batch ID: MP99632
Matrix Type: SOLID

Methods: SM846 6010C
Units: ug/l

MC49976-2	QC
Original SDL 1:5	Limits

Associated samples MP99632: MC49976-1, MC49976-2, MC49976-3, MC49976-4, MC49976-5, MC49976-6, MC49976-7, MC49976-8, MC49976-9, MC49976-10, MC49976-11, MC49976-12, MC49976-13, MC49976-14, MC49976-15, MC49976-16, MC49976-17, MC49976-18, MC49976-19, MC49976-20

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(s) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

12.2.1 12

QC Batch ID: MP99633
Matrix Type: SOLID

Methods: SM846 6010C
Units: ug/l

MC49976-2	QC
Original SDL 1:5	Limits

Associated samples MP99633: MC49976-1, MC49976-2, MC49976-3, MC49976-4, MC49976-5, MC49976-6, MC49976-7, MC49976-8, MC49976-9, MC49976-10, MC49976-11, MC49976-12, MC49976-13, MC49976-14, MC49976-15, MC49976-16, MC49976-17, MC49976-18, MC49976-19, MC49976-20

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(s) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

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SERIAL DILUTION RESULTS SUMMARY

QC Batch ID: MP99633
Matrix Type: SOLID
Prep Date: 04/01/17
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Account: ALINE - SGS Accutest New England
Login Number: MC49976
Methods: SW846 6010C
Units: mg/kg

Method	MC49976-22 Original	SD 1:5	%DIF	QC Limits
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Antimony				
As	1	12.6	29.2 (a)	0-10
Barium	111	113	2.2	0-10
Beryllium				
Bismuth				
Cadmium	0.00	0.00	NC	0-10
Calcium				
Chromium		86.9	5.6	0-10
Copper				
Iron				
Lead	4.4	11.2	15.7 (a)	10
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Palladium				
Phosphorus				
Potassium				
Selenium	0.00		NC	1
Silicon				
Silver	1.1	1.1	100.0(a)	1.0
Sodium				
Strontium				
Sulfur				
Thallium				
Zinc				
Vanadium				
Chlorine				

Page 1

SERIAL DILUTION RESULTS SUMMARY

QC Batch ID: MP99633
Matrix Type: SOLID
Prep Date: 04/01/17
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Account: ALINE - SGS Accutest New England
Login Number: MC49976
Methods: SW846 6010C
Units: mg/kg

Method	MC49976-21	MC49976-22	MC49976-23	MC49976-24	MC49976-25	MC49976-26	MC49976-27	MC49976-28	MC49976-29	MC49976-30	MC49976-31	MC49976-32	MC49976-33	MC49976-34	MC49976-35	MC49976-36	MC49976-37	MC49976-38	MC49976-39	MC49976-40
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Associated samples MP99633: MC49976-21, MC49976-22, MC49976-23, MC49976-24, MC49976-25, MC49976-26, MC49976-27, MC49976-28, MC49976-29, MC49976-30, MC49976-31, MC49976-32, MC49976-33, MC49976-34, MC49976-35, MC49976-36, MC49976-37, MC49976-38, MC49976-39, MC49976-40

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anz) Analyte not requested

SPINE BLANK AND LAB CONTROL SAMPLE SUMMARY

QC Batch ID: MP99635
Matrix Type: SOLID
Prep Date: 04/01/17
Project: ENVIRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Account: ALNE - SGS Accutest New England
Login Number: MC49976
Units: mg/kg
Methods: SW846 7471B

Prep Date: 04/01/17		04/01/17	
Mercury	0.37	0.333	111.1
Spikelot		QC	
HGMS1		HGMS1	
Result		Result	
Limits		Limits	
Rec		Rec	
Limits		Limits	

Mercury 0.37 0.333 111.1 80-120 9.1 8.37 108.7 73-128
Associated samples MP99635: MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20, MC49976-24, MC49976-28, MC49976-32, MC49976-36, MC49976-40, MC49976-44, MC49976-48, MC49976-52, MC49976-56, MC49976-60, MC49976-64, MC49976-68, MC49976-72, MC49976-76

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPINE BLANK AND LAB CONTROL SAMPLE SUMMARY

QC Batch ID: MP99635
Matrix Type: SOLID
Prep Date: 04/01/17
Project: ENVIRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Account: ALNE - SGS Accutest New England
Login Number: MC49976
Units: mg/kg
Methods: SW846 7471B

Prep Date: 04/01/17		04/01/17	
Mercury	9.1	8.37	108.7
Spikelot		QC	
HGMS1		HGMS1	
Result		Result	
Limits		Limits	
Rec		Rec	
Limits		Limits	

Mercury 9.1 8.37 108.7 73-128
Associated samples MP99635: MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20, MC49976-24, MC49976-28, MC49976-32, MC49976-36, MC49976-40, MC49976-44, MC49976-48, MC49976-52, MC49976-56, MC49976-60, MC49976-64, MC49976-68, MC49976-72, MC49976-76

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Element	mg/kg	ppm	ppb	ppm	ppb
Zirconium	2.0	.049	.13		

Associated samples MP99640: MC49976-41, MC49976-42, MC49976-43, MC49976-44, MC49976-45, MC49976-46, MC49976-47, MC49976-48, MC49976-49, MC49976-50, MC49976-51, MC49976-52, MC49976-53, MC49976-54, MC49976-55, MC49976-56, MC49976-57, MC49976-58, MC49976-59, MC49976-60

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(enr) Analyte not requested

Element	mg/kg	ppm	ppb	ppm	ppb
Arsenic	2.0	.24	.29	-0.088	<2.0
Barium	2.0	.14	.21	0.029	<20
Beryllium	0.20	.02	.022		
Bismuth	2.0	.2	.23		
Boron	9.8	.18	.44		
Calcium	490	3.4	1.9		
Chromium	0.98	.069	.12	0.078	<0.98
Copper	2.5	.029	.21		
Iron	49	.41	.78		
Lead	2.0	.16	.22	0.049	<2.0
Lithium	2.0	.3	.46		
Manganese	190	.02	.035		
Molybdenum	2.0	.049	.079		
Nickel	3.9	.059	.075		
Palladium	4.9	.21	.46		
Phosphorus	9.8	.26	.46		
Potassium	980	8.1	18		
Selenium	2.0	.41	.45	0.049	<2.0
Silicon	20	.23	3.6		
Silver	0.49	.098	.097	-0.020	<0.49
Sodium	980	2.5	3.8		
Strontium	0.98	.029	.024		
Tin	4.9	.15	.52		
Titanium	0.98	.069	.12		
Tungsten	4.9	.18	.32		
Vanadium	4.9	.049	.081		

12.4.2 12

QC Batch ID: MP99640
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Account: ALNE - SGS Accutest New England
Login Number: MC49976

Method: SW846 6010C
Date: 04/02/17

Element	Sample	Result	QC	Spiketot	QC
			MP49976-41	MP49976-41	MP49976-41

Barium 145 87.6 89.0 89.0 87.1 83-116

Barium 209 86.1 89.5 89.5 87.6 83-117

Cadmium 77.9 87.6 89.9 87.6 87.1 83-116

Chromium 127 11.1 143 143 143 80-120

Lead 133 146 91.1 146 146 91.1 82-116

Mercury 178 88.2 178 178 178 79-121

Mercury 31.3 84.3 84.3 84.3 84.3 84.3

12.4.2 12

QC Batch ID: MP99640
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Account: ALNE - SGS Accutest New England
Login Number: MC49976

Method: SW846 6010C
Date: 04/02/17

Element	Sample	Result	QC	Spiketot	QC
			MP49976-41	MP49976-41	MP49976-41

Barium 145 87.6 89.0 89.0 87.1 83-116

Barium 209 86.1 89.5 89.5 87.6 83-117

Cadmium 77.9 87.6 89.9 87.6 87.1 83-116

Chromium 127 11.1 143 143 143 80-120

Lead 133 146 91.1 146 146 91.1 82-116

Mercury 178 88.2 178 178 178 79-121

Mercury 31.3 84.3 84.3 84.3 84.3 84.3

SGS
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124.3	12
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Zinc

124.3

124.3
12

124.3
12

SGS
124.3
12

124.3	12
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Barium

Beryllium

Bismuth

Boron

Chromium

Lead

124.3

12

Project: ENVTAC: MAGGIORE SOMERVILLE, 343 - 351 SUMMER STREET, SOMERVILLE, MA
Account: ALINE - SGS Accutest New England
Login Number: MC49976
QC Batch ID: MP99641
Methods: SM846 6010C

Prep Date: 04/02/17

Element	Conc	Unit	Result	Limit
Aluminum	50	1.7	2	
Antimony	2.0	.24	.29	
Arsenic	2.0	.14	.21	<2.0
Barium	20	.07	.081	-0.050 <20
Beryllium	0.20	.01	.022	
Bismuth	2.0	.2	.24	
Boron	10	.18	.45	
Cadmium	0.50	.05	.05	0.010 <0.50
Calcium	500	1.5	1.9	
Chromium	1.0	.07	.12	0.15 <1.0
Cobalt	5.0	.06	.059	
Copper	2.5	.03	.22	
Iron	50	.42	.79	
Lithium	2.0	.31	.45	
Magnesium	500	2.8	5.9	
Manganese	1.5	.02	.036	
Molybdenum	2.0	.05	.081	
Nickel	4.0	.06	.076	
Phosphorus	5.0	.21	.47	
Potassium	10	.27	.47	
Selenium	1000	8.2	18	
Silver	2.0	.2	.46	-0.16 <2.0
Sulfur	20	.18	3.7	
Tantalum	0.50	.1	.099	-0.060 <0.50
Thallium	1000	2.5	3.9	
Vanadium	1.0	.02	.03	
Zinc	1.0	.02	.03	
Zirconium	1.0	.02	.03	

Project: ENVTAC: MAGGIORE SOMERVILLE, 343 - 351 SUMMER STREET, SOMERVILLE, MA
Account: ALINE - SGS Accutest New England
Login Number: MC49976

Prep Date: 04/02/17

Element	Conc	Unit	Result	Limit
Zinc	5.0	.13	.22	
Zirconium	2.0	.05	.13	

Associated samples MP99641: MC49976-61, MC49976-62, MC49976-63, MC49976-64, MC49976-65, MC49976-66, MC49976-67, MC49976-68, MC49976-69, MC49976-70, MC49976-71, MC49976-72, MC49976-73, MC49976-74, MC49976-75, MC49976-76

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Methods: SW846 6010C

Prep Date: 04/02/17

	BSP	Spikelot	QC	ICS	Spikelot	QC
Zinc	anr					

Associated samples MF99641: MC49976-61, MC49976-62, MC49976-63, MC49976-64, MC49976-65, MC49976-66, MC49976-67, MC49976-68, MC49976-69, MC49976-70, MC49976-71, MC49976-72, MC49976-73, MC49976-74, MC49976-75, MC49976-76

Results < IUL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

	Spikelot	QC
anr		

166 190 87.2 80-120 119 145 82.1 79-121
169 190 88.7 80-120 187 209 89.5 83-117
anr

Calcium anr
Chromium 172 190 90.3 80-120 122 143 85.3 80-120
Copper anr
Iron anr
Lead 166 190 89.3 80-120 173 146 84.0 79-117
Manganese anr
Mercury anr
Molybdenum anr
Nickel anr
Nitrogen anr
Phosphorus
Potassium anr
Selenium 163 190 85.6 80-120 145 178 81.5 79-121
Silicon
Silver 21.2 23.8 89.0 80-120 25.0 31.3 79.9 75-125
Sodium anr
Sulfur
Thallium anr
Tin
Vanadium anr

Account: ALNE - SGS Accutest New England
Project: ENVTRAC: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP99641
Methods: SW846 6010C

Prep Date: 04/02/17

α β γ δ ϵ ζ η θ ι κ λ μ ν ξ \omicron π ρ σ τ υ ϕ χ ψ ω α β γ δ ϵ ζ η θ ι κ λ μ ν ξ \omicron π ρ σ τ υ ϕ χ ψ ω

Login Number: MC49976
 Account: ALNE - SGS Accutest New England
 Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP99641
Matrix Type: SOLID
Methods: SW846 6010C
Unit: mg/kg

ICS	Spikelot	QC
1000	1000	1000
1001	1001	1001
1002	1002	1002
1003	1003	1003
1004	1004	1004
1005	1005	1005
1006	1006	1006
1007	1007	1007
1008	1008	1008
1009	1009	1009
1010	1010	1010
1011	1011	1011
1012	1012	1012
1013	1013	1013
1014	1014	1014
1015	1015	1015
1016	1016	1016
1017	1017	1017
1018	1018	1018
1019	1019	1019
1020	1020	1020
1021	1021	1021
1022	1022	1022
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1024	1024	1024
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1098	1098	1098
1099	1099	1099
1100	1100	1100
1101	1101	1101
1102	1102	1102
1103	1103	1103
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Zinc and

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Associated samples MP98641: MC19976-61, MC19976-62, MC19976-63, MC19976-64, MC19976-65, MC19976-66,
MC19976-67, MC19976-68, MC19976-69, MC19976-70, MC19976-71, MC19976-72, MC19976-73, MC19976-74, MC19976-75,
MC19976-76, MC19976-77, MC19976-78, MC19976-79, MC19976-80, MC19976-81, MC19976-82, MC19976-83, MC19976-84, MC19976-85,
MC19976-86, MC19976-87, MC19976-88, MC19976-89, MC19976-90, MC19976-91, MC19976-92, MC19976-93, MC19976-94, MC19976-95,
MC19976-96, MC19976-97, MC19976-98, MC19976-99, MC19976-100.

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MC49976-69	MC49976-69
Original SDL 1:5	4DIF

Zirconium

Associated samples MP99641: MC49976-61, MC49976-62, MC49976-63, MC49976-64, MC49976-65, MC49976-66, MC49976-67, MC49976-68, MC49976-69, MC49976-70, MC49976-71, MC49976-72, MC49976-73, MC49976-74, MC49976-75, MC49976-76

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to analytical variability

Section 13

General Chemistry

QC Data Summaries

(SGS Accutest New Jersey)

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

MULTI-MEDIA ANALYSIS
ANALYSIS REPORT

Account: ALNE - SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Analysis	Batch ID	RL	MB	BSP
Ammonia Reactivity	GP4318/GN61774	10	0.0	2.47
Sulfide Reactivity	GP4320/GN61774	10	0.0	1.85
Ammonia Reactivity	GP4318/GN61774	10	0.0	325
Sulfide Reactivity	GP4320/GN61774	10	0.0	295

Batch GP4317: MC19976-4, MC19976-8, MC19976-12, MC19976-16, MC19976-20, MC19976-24, MC19976-28, MC19976-32, MC19976-36, MC19976-40, MC19976-44, MC19976-48, MC19976-52, MC19976-56, MC19976-60, MC19976-64, MC19976-68, MC19976-72

Batch GP4318: MC19976-4, MC19976-8, MC19976-12, MC19976-16, MC19976-20, MC19976-24, MC19976-28, MC19976-32, MC19976-36, MC19976-40, MC19976-44, MC19976-48, MC19976-52, MC19976-56, MC19976-60, MC19976-64, MC19976-68, MC19976-72

Batch GP4319: MC19976-4, MC19976-8, MC19976-12, MC19976-16, MC19976-20, MC19976-24, MC19976-28, MC19976-32, MC19976-36, MC19976-40, MC19976-44, MC19976-48, MC19976-52, MC19976-56, MC19976-60, MC19976-64, MC19976-68, MC19976-72

Batch GP4320: MC19976-4, MC19976-8, MC19976-12, MC19976-16, MC19976-20, MC19976-24, MC19976-28, MC19976-32, MC19976-36, MC19976-40, MC19976-44, MC19976-48, MC19976-52, MC19976-56, MC19976-60, MC19976-64, MC19976-68, MC19976-72

(*) Outside of QC limits

Technical Report for

EnviroTrac, Ltd.

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

03.990202.00

SGS Accutest Job Number: MC50005

Sampling Date: 03/31/17

Report to:

EnviroTrac
2 Merchant Street Suite 2
Sharon, MA 02067
craigb@envirotrac.com; jenniferb@envirotrac.com
ATTN: Craig Blake

Total number of pages in report: 87



Test results contained within this data package meet the requirements
of the National Environmental Laboratory Accreditation Program
and/or state-specific certification programs as applicable

Client Service contact: Robert Soll 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) FL (E87579) NY (11791)
NJ (MA926) PA (6801121) LA (A1171119) ND (R-188) NC (653) IL (002337) WI (399080220)
DOD I LAP (I-A-B-1-2235)

This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.
Test results relate only to samples analyzed.

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SGS Accutest

Sample Summary

EnviroTrac, Ltd.

Job No: MC50005

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Project No: 03.990202.00

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID	
MC50005-1	03/31/17	11:16	LMHH04/03/17	AQ	Ground Water	MW-1
MC50005-1F	03/31/17	11:16	LMHH04/03/17	AQ	Groundwater Filtered	MW-1
MC50005-2	03/31/17	10:14	LMHH04/03/17	AQ	Ground Water	MW-2
MC50005-2F	03/31/17	10:14	LMHH04/03/17	AQ	Groundwater Filtered	MW-2
MC50005-3	03/31/17	08:34	LMHH04/03/17	AQ	Ground Water	MW-3
MC50005-3F	03/31/17	08:34	LMHH04/03/17	AQ	Groundwater Filtered	MW-3
MC50005-4	03/31/17	09:21	LMHH04/03/17	AQ	Ground Water	MW-103
MC50005-4F	03/31/17	09:21	LMHH04/03/17	AQ	Groundwater Filtered	MW-103
MC50005-5	03/31/17	12:23	LMHH04/03/17	AQ	Ground Water	MW-108
MC50005-5F	03/31/17	12:23	LMHH04/03/17	AQ	Groundwater Filtered	MW-108
MC50005-6	03/31/17	10:31	LMHH04/03/17	AQ	Ground Water	B-2/MW
MC50005-6F	03/31/17	10:31	LMHH04/03/17	AQ	Groundwater Filtered	B-2/MW
MC50005-7	03/31/17	11:33	LMHH04/03/17	AQ	Ground Water	B-3/MW

Sample Summary
(continued)

EnviroTrac, Ltd.

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC50005

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
MC50005-7F	03/31/17	11:33 LMHH04	03/17	AQ Groundwater Filtered	B 3/MW
MC50005-8	03/31/17	12:19 LMHH04	03/17	AQ Ground Water	MW-105
MC50005-8F	03/31/17	12:19 LMHH04	03/17	AQ Groundwater Filtered	MW-105
MC50005-9	03/31/17	09:37 LMHH04	03/17	AQ Ground Water	MW-106
MC50005-9F	03/31/17	09:37 LMHH04	03/17	AQ Groundwater Filtered	MW-106
MC50005-10	03/31/17	08:45 LMHH04	03/17	AQ Ground Water	MW-107
MC50005-10F	03/31/17	08:45 LMHH04	03/17	AQ Groundwater Filtered	MW-107

SAMPLE DELIVERY GROUP CASE NARRATIVE

Cilent: EnviroTrac, Ltd Job No MC50005

Site: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA Report Date 4/10/2017 4:37:10 PM

10 Sample(s) were collected on 03/31/2017 and were received at SGS Accutest New England on 04/03/2017 properly preserved, at 2.8 Deg. C and intact. These Samples received a job number of MC50005. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages

Extractables by GC/MS By Method SW846 8270D BY SIM

Matrix:	AQ	Batch ID:	OP49583
<ul style="list-style-type: none">- All samples were extracted within the recommended method holding time- All samples were analyzed within the recommended method holding time- Sample(s) MC50005-1 through MC50005-10 have compound(s) reported with a "B" qualifier, indicating analyte is found in the associated method blank- Continuing calibration check standard MSI3973-CC3952 for Benz[<i>b</i>]fluoranthene exceed 20% Difference (biased high) Meets MCP technical requirements- Quadratic regression is employed for initial calibration standard for MSI3952-ICC3952 for Indeno[1,2,3-<i>cd</i>]pyrene, Dibenz[<i>a,h</i>]anthracene- Only PAHs requested- MC50005-1 through MC50005-10, OP49583-MB/BS/BSd for Terphenyl-d14, Nitrobenzene-d5: Surrogate standard not added EPH extract analyzed- MC50005-1, 2, 3, 4, 5, 6, 9 for 2-Fluorobiphenyl: Outside in-house control limits, but within MCP control limits			

Extractables by GC By Method MADEP EPH REV 1.1

Matrix:	AQ	Batch ID:	OP49582
<ul style="list-style-type: none">- Only range reported- All samples were extracted within the recommended method holding time- All samples were analyzed within the recommended method holding time- All method blanks for this batch meet method specific criteria- MC50005-6,8: Confirmation run for surrogate recoveries- MC50005-6,8 for 1-Chlorooctadecane: Outside control limits due to possible matrix interference. Confirmed by refractionation/reanalysis- OP49582-BS/BSd for C9-C18 Aliphatics: Recovery of n-nonane was <30% for laboratory control sample			

Metals By Method SW846 6010C

Matrix:	AQ	Batch ID:	N MP99703
<ul style="list-style-type: none">- Analysis performed at SGS Accutest, Dayton, NJ			

Metals By Method SW846 7470A

Matrix:	AQ	Batch ID:	N MP99709
<ul style="list-style-type: none">- Mercury: Analysis performed at SGS Accutest, Dayton, NJ			

SGS-Accutest may not have met all requested limits due to methodology limitations, sample matrix, dilutions, or percent solids

Monday, April 10, 2017

Page 1 of 2

SGS Accutest New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Laboratory Director for SGS Accutest New England or assignee as verified by the signature on the cover page has authorized the release of this report(MC50005)

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: SGS Accutest New England **Job No** MC50005 **Report Date** 4/7/2017 10:25:41 AM
Site: ENVI-RAC, Maggione Somerville, 343 - 351 Summer Street, Somer

On 04/04/2017, 10 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS Accutest at a maximum corrected temperature of 2.9 C. Samples were intact and chemically preserved, unless noted below. A SGS Accutest Job Number of MC50005 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages

Metals By Method SW846 6010C

Matrix: AQ	Batch ID: MP99703
-------------------	--------------------------

- All samples were digested within the recommended method holding time
- All method blanks for this batch meet method specific criteria
- Sample(s) JC40220-4FSDL were used as the QC samples for metals
- RPD(s) for Serial Dilution for Cadmium, Lead, Silver, Vanadium are outside control limits for sample MP99703-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL)

Metals By Method SW846 7470A

Matrix: AQ	Batch ID: MP99709
-------------------	--------------------------

- All samples were digested within the recommended method holding time
- All method blanks for this batch meet method specific criteria

SGS Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria

SGS Accutest is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS Accutest indicated via signature on the report cover

Summary of Hits

Job Number: MC50005
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/31/17

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC50005-1	MW-1					
Naphthalene		0.27 B	0.22		ug/l	SW846 8270D BY SIM
Phenanthrene		0.056 B	0.056		ug/l	SW846 8270D BY SIM
MC50005-1F	MW-1					
Arsenic ^a		22.5	3.0		ug/l	SW846 6010C
MC50005-2	MW-2					
Benzo(a)anthracene		0.062	0.055		ug/l	SW846 8270D BY SIM
Benzo(a)pyrene		0.11	0.11		ug/l	SW846 8270D BY SIM
Benzo(b)fluoranthene		0.069	0.055		ug/l	SW846 8270D BY SIM
Fluoranthene		0.11	0.11		ug/l	SW846 8270D BY SIM
Indeno(1,2,3-cd)pyrene		0.16	0.11		ug/l	SW846 8270D BY SIM
Naphthalene		0.26 B	0.22		ug/l	SW846 8270D BY SIM
Phenanthrene		0.066 B	0.055		ug/l	SW846 8270D BY SIM
MC50005-2F	MW-2					
Arsenic ^a		13.4	3.0		ug/l	SW846 6010C
MC50005-3	MW-3					
Naphthalene		0.28 B	0.23		ug/l	SW846 8270D BY SIM
MC50005-3F	MW-3					
No hits reported in this sample.						
MC50005-4	MW-103					
Benzo(a)anthracene		0.24	0.056		ug/l	SW846 8270D BY SIM
Benzo(a)pyrene		0.25	0.11		ug/l	SW846 8270D BY SIM
Benzo(b)fluoranthene		0.27	0.056		ug/l	SW846 8270D BY SIM
Benzo(g,h,i)perylene		0.14	0.11		ug/l	SW846 8270D BY SIM
Benzo(k)fluoranthene		0.13	0.11		ug/l	SW846 8270D BY SIM
Chrysene		0.21	0.11		ug/l	SW846 8270D BY SIM
Fluoranthene		0.51	0.11		ug/l	SW846 8270D BY SIM
Indeno(1,2,3-cd)pyrene		0.27	0.11		ug/l	SW846 8270D BY SIM
Naphthalene		0.46 B	0.22		ug/l	SW846 8270D BY SIM
Phenanthrene		0.30	0.056		ug/l	SW846 8270D BY SIM
Pyrene		0.42	0.11		ug/l	SW846 8270D BY SIM

Summary of Hits

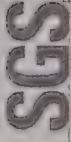
Job Number: MC50005
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/31/17

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC50005-4F	MW-103					
No hits reported in this sample.						
MC50005-5	MW-108					
Benzo(a)anthracene		0.060	0.054		ug/l	SW846 8270D BY SIM
Benzo(a)pyrene		0.11	0.11		ug/l	SW846 8270D BY SIM
Benzo(b)fluoranthene		0.055	0.054		ug/l	SW846 8270D BY SIM
Fluoranthene		0.11	0.11		ug/l	SW846 8270D BY SIM
Indeno(1,2,3-cd)pyrene		0.14	0.11		ug/l	SW846 8270D BY SIM
Phenanthrene		0.072 B	0.054		ug/l	SW846 8270D BY SIM
MC50005-5F	MW-108					
No hits reported in this sample.						
MC50005-6	B-2/MW					
Naphthalene		0.28 B	0.22		ug/l	SW846 8270D BY SIM
MC50005-6F	B-2/MW					
Selenium ^a		17.8	10		ug/l	SW846 6010C
Zinc ^a		26.0	20		ug/l	SW846 6010C
MC50005-7	B-3/MW					
Naphthalene		0.26 B	0.22		ug/l	SW846 8270D BY SIM
MC50005-7F	B-3/MW					
No hits reported in this sample.						
MC50005-8	MW-105					
Naphthalene		0.23 B	0.22		ug/l	SW846 8270D BY SIM
Phenanthrene		0.073 B	0.055		ug/l	SW846 8270D BY SIM
MC50005-8F	MW-105					
Barium ^a		66.9	50		ug/l	SW846 6010C
Lead ^a		3.3	3.0		ug/l	SW846 6010C
Selenium ^a		14.6	10		ug/l	SW846 6010C
Zinc ^a		293	20		ug/l	SW846 6010C

Summary of Hits

Job Number: MC50005
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/31/17

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ACCUTEST
New England

Section 4

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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MC50005-9	MW-106					
Naphthalene		0.26 B	0.22		ug/l	SW846 8270D BY SIM
Phenanthrene		0.10 B	0.054		ug/l	SW846 8270D BY SIM

MC50005-9F MW-106

No hits reported in this sample.

MC 50005-10 MW-107

Acenaphthene		0.14	0.11		ug/l	SW846 8270D BY SIM
Acenaphthylene		0.14	0.11		ug/l	SW846 8270D BY SIM
Anthracene		0.36	0.11		ug/l	SW846 8270D BY SIM
Benzo(a)anthracene		0.89	0.055		ug/l	SW846 8270D BY SIM
Benzo(a)pyrene		0.88	0.11		ug/l	SW846 8270D BY SIM
Benzo(b)fluoranthene		1.5	0.055		ug/l	SW846 8270D BY SIM
Benzo(g,h,i)perylene		0.72	0.11		ug/l	SW846 8270D BY SIM
Benzo(k)fluoranthene		0.65	0.11		ug/l	SW846 8270D BY SIM
Chrysene		1.1	0.11		ug/l	SW846 8270D BY SIM
Dibenzo(a,h)anthracene		0.25	0.11		ug/l	SW846 8270D BY SIM
Fluoranthene		2.1	0.11		ug/l	SW846 8270D BY SIM
Fluorene		0.17	0.11		ug/l	SW846 8270D BY SIM
Indeno(1,2,3-cd)pyrene		1.0	0.11		ug/l	SW846 8270D BY SIM
Naphthalene		0.31 B	0.22		ug/l	SW846 8270D BY SIM
Phenanthrene		1.2	0.055		ug/l	SW846 8270D BY SIM
Pyrene		1.8	0.11		ug/l	SW846 8270D BY SIM

MC50005-10F MW-107

Lead ^a	8.5	3.0	ug/l	SW846 6010C
Selenium ^a	11.8	10	ug/l	SW846 6010C

(a) Analysis performed at SGS Accutest, Dayton, NJ.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW 1	Date Sampled:	03/31/17
Lab Sample ID:	MC50005-1	Date Received:	04/03/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D BY SIM		
Project:	SW846 3510C		
	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I104336.D	04/08/17	DRY	04/05/17	OP49583	MSI3975
Run #2						

Initial Volume	Final Volume
Run #1 900 ml	1.0 ml
Run #2	

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.11	ug/l	
208-96-8	Acenaphthylene	ND	0.11	ug/l	
120-12-7	Anthracene	ND	0.11	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.056	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.056	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	ug/l	
218-01-9	Chrysene	ND	0.11	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	ug/l	
206-44-0	Fluoranthene	ND	0.11	ug/l	
86-73-7	Fluorene	ND	0.11	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.22	ug/l	
91-20-3	Naphthalene	0.27	0.22	ug/l	B
85-01-8	Phenanthrene	0.056	0.056	ug/l	B
129-00-0	Pyrene	ND	0.11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	0% ^a		26-121%
321-60-8	2-Fluorobiphenyl	108% ^b		28-107%
1718-51-0	Terphenyl-d14	0% ^a		29-129%

(a) Surrogate standard not added. EPH extract analyzed.
(b) Outside control limits. Meets technical requirements.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 1	Date Sampled:	03/31/17
Lab Sample ID:	MC50005 1	Date Received:	04/03/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	MADep EPH REV 1.1		
Project:	SW846 3510C		
	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DE17333.D	04/07/17	AP	04/05/17	OP49582	GDF964
Run #2						

Initial Volume	Final Volume
Run #1 900 ml	2.0 ml
Run #2	

Extractable TPHC Ranges

CAS No.	Compound	Result	RL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	110	ug/l	
	C9-C18 Aliphatics	ND	110	ug/l	
	C19-C36 Aliphatics	ND	110	ug/l	
	C11-C22 Aromatics	ND	110	ug/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	87%		40-140%	
321-60-8	2-Fluorobiphenyl	105%		40-140%	
3386-33-2	1-Chlorooctadecane	55%		40-140%	
580-13-2	2-Bromonaphthalene	107%		40-140%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 1	Date Sampled:	03/31/17
Lab Sample ID:	MC50005 1F	Date Received:	04/03/17
Matrix:	AQ - Groundwater Filtered	Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony ^a	<6.0	6.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Arsenic ^a	22.5	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Barium ^a	<50	50	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Beryllium ^a	<1.0	1.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Cadmium ^a	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Chromium ^a	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Lead ^a	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Mercury ^a	<0.20	0.20	ug/l	1	04/05/17	04/05/17	ANJ	SW846 7470A 4
Nickel ^a	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Selenium ^a	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Silver ^a	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Thallium ^a	<2.0	2.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Vanadium ^a	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Zinc ^a	<20	20	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3

- (1) Instrument QC Batch: N:MA41712
(2) Instrument QC Batch: N:MA41731
(3) Prep QC Batch: N:MP99703
(4) Prep QC Batch: N:MP99709

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW 2	Date Sampled:	03/31/17
Lab Sample ID:	MC50005 2	Date Received:	04/03/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D BY SIM		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	I104337.D	1	04/08/17	DRY	04/05/17	OP49583	MSI3975

Run #1	Initial Volume	Final Volume
Run #2	910 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.11	ug/l	
208-96-8	Acenaphthylene	ND	0.11	ug/l	
120-12-7	Anthracene	ND	0.11	ug/l	
56-55-3	Benzo(a)anthracene	0.062	0.055	ug/l	
50-32-8	Benzo(a)pyrene	0.11	0.11	ug/l	
205-99-2	Benzo(b)fluoranthene	0.069	0.055	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	ug/l	
218-01-9	Chrysene	ND	0.11	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	ug/l	
206-44-0	Fluoranthene	0.11	0.11	ug/l	
86-73-7	Fluorene	ND	0.11	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.16	0.11	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.22	ug/l	
91-20-3	Naphthalene	0.26	0.22	ug/l	B
85-01-8	Phenanthrene	0.066	0.055	ug/l	B
129-00-0	Pyrene	ND	0.11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	0% ^a		26-121%
321-60-8	2-Fluorobiphenyl	110% ^b		28-107%
1718-51-0	Terphenyl d14	0% ^a		29-129%

- (a) Surrogate standard not added. EPH extract analyzed.
(b) Outside control limits. Meets technical requirements.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 2	Date Sampled:	03/31/17
Lab Sample ID:	MC50005 2	Date Received:	04/03/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	MADEP EPH REV 1.1		
Project:	SW846 3510C		
	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	DE17334.D	1	04/07/17	AP	04/05/17	OP49582	GDE964

Run #1	Initial Volume	Final Volume
Run #2	910 ml	2.0 ml

Extractable TPHC Ranges

CAS No.	Compound	Result	RL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	110	ug/l	
	C9-C18 Aliphatics	ND	110	ug/l	
	C19-C36 Aliphatics	ND	110	ug/l	
	C11-C22 Aromatics	ND	110	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o Terphenyl	85%		40-140%
321-60-8	2-Fluorobiphenyl	95%		40-140%
3386-33-2	1-Chlorooctadecane	51%		40-140%
580-13-2	2-Bromonaphthalene	98%		40-140%

ND = Not detected
RL = Reporting Limit
F = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 2	Date Sampled:	03/31/17
Lab Sample ID:	MC50005 2F	Date Received:	04/03/17
Matrix:	AQ - Groundwater Filtered	Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony ^a	<6.0	6.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2
Arsenic ^a	13.4	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Barium ^a	<50	50	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Beryllium ^a	<1.0	1.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Cadmium ^a	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Chromium ^a	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Lead ^a	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Mercury ^a	<0.20	0.20	ug/l	1	04/05/17	04/05/17	ANJ	SW846 7170A 4
Nickel ^a	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Selenium ^a	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Silver ^a	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Thallium ^a	<2.0	2.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Vanadium ^a	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Zinc ^a	<20	20	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3

- (1) Instrument QC Batch: N:MA41712
- (2) Instrument QC Batch: N:MA41731
- (3) Prep QC Batch: N:MP99703
- (4) Prep QC Batch: N:MP99709

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-3	Date Sampled:	03/31/17
Lab Sample ID:	MC50005-3	Date Received:	04/03/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D BY SIM		
Project:	SW846 3510C Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I104338.D	04/08/17	DRY	04/05/17	OP49583	MSI3975
Run #2						

Initial Volume	Final Volume
Run #1 880 ml	1.0 ml
Run #2	

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.11	ug/l	
208-96-8	Acenaphthylene	ND	0.11	ug/l	
120-12-7	Anthracene	ND	0.11	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.057	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.057	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	ug/l	
218-01-9	Chrysene	ND	0.11	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	ug/l	
206-44-0	Fluoranthene	ND	0.11	ug/l	
86-73-7	Fluorene	ND	0.11	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.23	ug/l	
91-20-3	Naphthalene	0.28	0.23	ug/l	B
85-01-8	Phenanthrene	ND	0.057	ug/l	
129-00-0	Pyrene	ND	0.11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	0% ^a		26-121%
321-60-8	2-Fluorobiphenyl	109% ^b		28-107%
1718-51-0	Terphenyl d14	0% ^a		29-129%

(a) Surrogate standard not added. EPH extract analyzed.
(b) Outside control limits. Meets technical requirements.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3	Date Sampled:	03/31/17
Lab Sample ID:	MC50005-3	Date Received:	04/03/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	MADEP EPH REV 1.1		
Project:	SW846 3510C Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DE17335.D	04/07/17	AP	04/05/17	OP49582	GDF964
Run #2						

Initial Volume	Final Volume
Run #1 880 ml	2.0 ml
Run #2	

Extractable TPHC Ranges

CAS No.	Compound	Result	RL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	110	ug/l	
	C9-C18 Aliphatics	ND	110	ug/l	
	C19-C36 Aliphatics	ND	110	ug/l	
	C11-C22 Aromatics	ND	110	ug/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	98%		40-140%	
321-60-8	2-Fluorobiphenyl	113%		40-140%	
3386-33-2	1-Chlorooctadecane	47%		40-140%	
580-13-2	2-Bromonaphthalene	117%		40-140%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 3	Date Sampled:	03/31/17
Lab Sample ID:	MC50005-3F	Date Received:	04/03/17
Matrix:	AQ - Groundwater Filtered	Percent Solids:	n/a
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.6

4

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony ^a	< 6.0	6.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Arsenic ^a	< 3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Barium ^a	< 50	50	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Beryllium ^a	< 1.0	1.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Cadmium ^a	< 3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Chromium ^a	< 10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Lead ^a	< 3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Mercury ^a	< 0.20	0.20	ug/l	1	04/05/17	04/05/17	ANJ	SW846 7470A 4
Nickel ^a	< 10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Selenium ^a	< 10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Silver ^a	< 10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Thallium ^a	< 2.0	2.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Vanadium ^a	< 10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Zinc ^a	< 20	20	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3

- (1) Instrument QC Batch: N:MA41712
(2) Instrument QC Batch: N:MA41731
(3) Prep QC Batch: N:MP99703
(4) Prep QC Batch: N:MP99709

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW 103	Date Sampled:	03/31/17
Lab Sample ID:	MC50005-4	Date Received:	04/03/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D BY SIM		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.7

4

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I104339.D	1	04/08/17	DRY	04/05/17	OP-49583	MSI3975
Run #2							

Run #	Initial Volume	Final Volume
Run #1	890 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.11	ug/l	
208-96-8	Acenaphthylene	ND	0.11	ug/l	
120-12-7	Anthracene	ND	0.11	ug/l	
56-55-3	Benzo(a)anthracene	0.24	0.056	ug/l	
50-32-8	Benzo(a)pyrene	0.25	0.11	ug/l	
205-99-2	Benzo(b)fluoranthene	0.27	0.056	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.14	0.11	ug/l	
207-08-9	Benzo(k)fluoranthene	0.13	0.11	ug/l	
218-01-9	Chrysene	0.21	0.11	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	ug/l	
206-44-0	Fluoranthene	0.51	0.11	ug/l	
86-73-7	Fluorene	ND	0.11	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.27	0.11	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.22	ug/l	B
91-20-3	Naphthalene	0.46	0.22	ug/l	
85-01-8	Phenanthrene	0.30	0.056	ug/l	
129-00-0	Pyrene	0.42	0.11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	0% ^a		26-121%
321-60-8	2-Fluorobiphenyl	113% ^b		28-107%
1718-51-0	Terphenyl-d14	0% ^a		29-129%

- (a) Surrogate standard not added. EPH extract analyzed.
(b) Outside control limits. Meets technical requirements.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 103	Date Sampled:	03/31/17
Lab Sample ID:	MC50005-4	Date Received:	04/03/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	MADep EPH REV 1.1		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DE17336.D	1	04/07/17	AP	04/05/17	OP49582	GDE964
Run #2							

Run #	Initial Volume	Final Volume
Run #1	890 ml	2.0 ml
Run #2		

Extractable TPHC Ranges

CAS No.	Compound	Result	RL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	110	ug/l	
	C9-C18 Aliphatics	ND	110	ug/l	
	C19-C36 Aliphatics	ND	110	ug/l	
	C11-C22 Aromatics	ND	110	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	98%		40-140%
321-60-8	2-Fluorobiphenyl	112%		40-140%
3386-33-2	1-Chlorooctadecane	50%		40-140%
580-13-2	2-Bromonaphthalene	116%		40-140%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 103	Date Sampled:	03/31/17
Lab Sample ID:	MC50005-4F	Date Received:	04/03/17
Matrix:	AQ - Groundwater Filtered	Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony ^a	< 6.0	6.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2
Arsenic ^a	< 3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2
Barium ^a	< 50	50	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2
Beryllium ^a	< 1.0	1.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2
Cadmium ^a	< 3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2
Chromium ^a	< 10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2
Lead ^a	< 3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2
Mercury ^a	< 0.20	0.20	ug/l	1	04/05/17	04/05/17	ANJ	SW846 7470A 1
Nickel ^a	< 10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2
Selenium ^a	< 10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2
Silver ^a	< 10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2
Thallium ^a	< 2.0	2.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2
Vanadium ^a	< 10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2
Zinc ^a	< 20	20	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2

- (1) Instrument QC Batch: N:MA41712
(2) Instrument QC Batch: N:MA41731
(3) Prep QC Batch: N:MP99703
(4) Prep QC Batch: N:MP99709

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-108	Date Sampled:	03/31/17
Lab Sample ID:	MC50005-5	Date Received:	04/03/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D BY SIM		
Project:	SW846 3510C		
	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I104340.D	04/08/17	DRY	04/05/17	OP49583	MSI3975
Run #2						

Initial Volume	Final Volume
Run #1 920 ml	1.0 ml
Run #2	

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.11	ug/l	
208-96-8	Acenaphthylene	ND	0.11	ug/l	
120-12-7	Anthracene	ND	0.11	ug/l	
56-55-3	Benzo(a)anthracene	0.060	0.054	ug/l	
50-32-8	Benzo(a)pyrene	0.11	0.11	ug/l	
205-99-2	Benzo(b)fluoranthene	0.055	0.054	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	ug/l	
218-01-9	Chrysene	ND	0.11	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	ug/l	
206-44-0	Fluoranthene	0.11	0.11	ug/l	
86-73-7	Fluorene	ND	0.11	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	0.11	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.22	ug/l	
91-20-3	Naphthalene	ND	0.22	ug/l	
85-01-8	Phenanthrene	0.072	0.054	ug/l	B
129-00-0	Pyrene	ND	0.11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	0% ^a		26-121%
321-60-8	2-Fluorobiphenyl	93%		28-107%
1718-51-0	Terphenyl-d14	0% ^a		29-129%

(a) Surrogate standard not added. EPH extract analyzed.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-108	Date Sampled:	03/31/17
Lab Sample ID:	MC50005-5	Date Received:	04/03/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	MADEP EPH REV 1.1		
Project:	SW846 3510C		
	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DF17337.D	04/07/17	AP	04/05/17	OP49582	GDE964
Run #2						

Initial Volume	Final Volume
Run #1 920 ml	2.0 ml
Run #2	

Extractable TPHC Ranges

CAS No.	Compound	Result	RL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	110	ug/l	
	C9-C18 Aliphatics	ND	110	ug/l	
	C19-C36 Aliphatics	ND	110	ug/l	
	C11-C22 Aromatics	ND	110	ug/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	88%		40-140%	
321-60-8	2-Fluorobiphenyl	104%		40-140%	
3386-33-2	1-Chlorooctadecane	46%		40-140%	
580-13-2	2-Bromonaphthalene	108%		40-140%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 108	Date Sampled:	03/31/17
Lab Sample ID:	MC50005 5F	Date Received:	04/03/17
Matrix:	AQ - Groundwater Filtered	Percent Solids:	n/a
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.10 4

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony ^a	<6.0	6.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Arsenic ^a	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Barium ^a	<50	50	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Beryllium ^a	<1.0	1.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Cadmium ^a	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Chromium ^a	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Lead ^a	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Mercury ^a	<0.20	0.20	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Nickel ^a	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 7470A 4
Selenium ^a	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Silver ^a	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Thallium ^a	<2.0	2.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Vanadium ^a	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Zinc ^a	<20	20	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3

- (1) Instrument QC Batch: N:MA41712
(2) Instrument QC Batch: N:MA41731
(3) Prep QC Batch: N:MP99703
(4) Prep QC Batch: N:MP99709

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	B-2/MW	Date Sampled:	03/31/17
Lab Sample ID:	MC50005-6	Date Received:	04/03/17
Matrix:	AQ Ground Water	Percent Solids:	n/a
Method:	SW846 8270D BY SIM		
Project:	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.11 4

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	II04341.D	1	04/08/17	DRY	04/05/17	OP49583	MSI3975

Run #1	Initial Volume	Final Volume
Run #2	930 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.11	ug/l	
208-96-8	Acenaphthylene	ND	0.11	ug/l	
120-12-7	Anthracene	ND	0.11	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.054	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.054	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	ug/l	
218-01-9	Chrysene	ND	0.11	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	ug/l	
206-44-0	Fluoranthene	ND	0.11	ug/l	
86-73-7	Fluorene	ND	0.11	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.22	ug/l	
91-20-3	Naphthalene	0.28	0.22	ug/l	B
85-01-8	Phenanthrene	ND	0.054	ug/l	
129-00-0	Pyrene	ND	0.11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	0% ^a		26-121%
321-60-8	2-Fluorobiphenyl	116% ^b		28-107%
1718-51-0	Terphenyl-d14	0% ^a		29-129%

- (a) Surrogate standard not added. EPH extract analyzed.
(b) Outside control limits. Meets technical requirements.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B 2/MW	Date Sampled:	03/31/17
Lab Sample ID:	MC50005 6	Date Received:	04/03/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	MADEP EPH REV 1.1		
Project:	SW846 3510C		
	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DE17338.D	1	04/07/17	AP	04/05/17	OP49582	GDF964
Run #2 ^a	DE17351.D	1	04/10/17	AP	04/05/17	OP49582	GDF965

Run #	Initial Volume	Final Volume
Run #1	930 ml	2.0 ml
Run #2	930 ml	2.0 ml

Extractable TPHC Ranges

CAS No.	Compound	Result	RL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	110	ug/l	
	C9-C18 Aliphatics	ND	110	ug/l	
	C19-C36 Aliphatics	ND	110	ug/l	
	C11-C22 Aromatics	ND	110	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o Terphenyl	95%	87%	40-140%
321-60-8	2-Fluorobiphenyl	109%	98%	40-140%
3386-33-2	1-Chlorooctadecane	35% ^b	39% ^b	40-140%
580-13-2	2-Bromonaphthalene	113%	102%	40-140%

- (a) Confirmation run for surrogate recoveries.
(b) Outside control limits due to possible matrix interference. Confirmed by refractionation/reanalysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B 2/MW	Date Sampled:	03/31/17
Lab Sample ID:	MC50005 6F	Date Received:	04/03/17
Matrix:	AQ - Groundwater Filtered	Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony ^a	<6.0	6.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2
Arsenic ^a	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2
Barium ^a	<50	50	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2
Beryllium ^a	<1.0	1.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2
Cadmium ^a	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2
Chromium ^a	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2
Lead ^a	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2
Mercury ^a	<0.20	0.20	ug/l	1	04/05/17	04/05/17	ANJ	SW846 7470A 1
Nickel ^a	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2
Selenium ^a	17.8	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2
Silver ^a	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2
Thallium ^a	<2.0	2.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2
Vanadium ^a	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2
Zinc ^a	26.0	20	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2

- (1) Instrument QC Batch: N:MA41712
(2) Instrument QC Batch: N:MA41731
(3) Prep QC Batch: N:MP99703
(4) Prep QC Batch: N:MP99709

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	B 3/MW	Date Sampled:	03/31/17
Lab Sample ID:	MC50005 7	Date Received:	04/03/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D BY SIM		
Project:	SW846 3510C		
	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I104342.D	04/08/17	DRY	04/05/17	OP49583	MS13975
Run #2						

Initial Volume	Final Volume
Run #1 900 ml	1.0 ml
Run #2	

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.11	ug/l	
208-96-8	Acenaphthylene	ND	0.11	ug/l	
120-12-7	Anthracene	ND	0.11	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.056	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.056	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	ug/l	
218-01-9	Chrysene	ND	0.11	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	ug/l	
206-44-0	Fluoranthene	ND	0.11	ug/l	
86-73-7	Fluorene	ND	0.11	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.22	ug/l	
91-20-3	Naphthalene	0.26	0.22	ug/l	B
85-01-8	Phenanthrene	ND	0.056	ug/l	
129-00-0	Pyrene	ND	0.11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	0% ^a		26-121%
321-60-8	2-Fluorobiphenyl	116% ^b		28-107%
1718-51-0	Terphenyl-d14	0% ^a		29-129%

(a) Surrogate standard not added. EPH extract analyzed.
(b) Outside control limits. Meets technical requirements.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B 3/MW	Date Sampled:	03/31/17
Lab Sample ID:	MC50005 7	Date Received:	04/03/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	MADEP EPH REV 1.1		
Project:	SW846 3510C		
	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DE17339.D	04/07/17	AP	04/05/17	OP49582	GDE964
Run #2						

Initial Volume	Final Volume
Run #1 900 ml	2.0 ml
Run #2	

Extractable TPHC Ranges

CAS No.	Compound	Result	RL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	110	ug/l	
	C9-C18 Aliphatics	ND	110	ug/l	
	C19-C36 Aliphatics	ND	110	ug/l	
	C11-C22 Aromatics	ND	110	ug/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	98%		40-140%	
321-60-8	2-Fluorobiphenyl	120%		40-140%	
3386-33-2	1-Chlorooctadecane	43%		40-140%	
580-13-2	2-Bromonaphthalene	122%		40-140%	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	B 3/MW	Date Sampled:	03/31/17
Lab Sample ID:	MC50005 7F	Date Received:	04/03/17
Matrix:	AQ - Groundwater Filtered	Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony ^a	< 6.0	6.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Arsenic ^a	< 3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Barium ^a	< 50	50	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Beryllium ^a	< 1.0	1.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Cadmium ^a	< 3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Chromium ^a	< 10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Lead ^a	< 3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Mercury ^a	< 0.20	0.20	ug/l	1	04/05/17	04/05/17	ANJ	SW846 7470A 1
Nickel ^a	< 10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Selenium ^a	< 10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Silver ^a	< 10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Thallium ^a	< 2.0	2.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Vanadium ^a	< 10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Zinc ^a	< 20	20	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3

(1) Instrument QC Batch: N:MA41712

(2) Instrument QC Batch: N:MA41731

(3) Prep QC Batch: N:MP99703

(4) Prep QC Batch: N:MP99709

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	MW 105	Date Sampled:	03/31/17
Lab Sample ID:	MC50005 8	Date Received:	04/03/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D BY SIM		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	II04343.D	1	04/08/17	DRY	04/05/17	OP49583	MSI3975

Initial Volume Final Volume

Run #1	910 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.11	ug/l	
208-96-8	Acenaphthylene	ND	0.11	ug/l	
120-12-7	Anthracene	ND	0.11	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.055	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.055	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	ug/l	
218-01-9	Chrysene	ND	0.11	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	ug/l	
206-44-0	Fluoranthene	ND	0.11	ug/l	
86-73-7	Fluorene	ND	0.11	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.22	ug/l	B
91-20-3	Naphthalene	0.23	0.22	ug/l	B
85-01-8	Phenanthrene	0.073	0.055	ug/l	B
129-00-0	Pyrene	ND	0.11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene d5	0% ^a		26-121%
321-60-8	2-Fluorobiphenyl	103%		28-107%
1718-51-0	Terphenyl-d14	0% ^a		29-129%

(a) Surrogate standard not added. EPH extract analyzed.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 105	Date Sampled:	03/31/17
Lab Sample ID:	MC50005-8	Date Received:	04/03/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	MADEP EPH REV 1.1		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DE17340.D	1	04/07/17	AP	04/05/17	OP49582	GDE964
Run #2 ^a	DE17352.D	1	04/10/17	AP	04/05/17	OP49582	GDE965

Run #	Initial Volume	Final Volume
Run #1	910 ml	2.0 ml
Run #2	910 ml	2.0 ml

Extractable TPHC Ranges

CAS No.	Compound	Result	RL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	110	ug/l	
	C9-C18 Aliphatics	ND	110	ug/l	
	C19-C36 Aliphatics	ND	110	ug/l	
	C11-C22 Aromatics	ND	110	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	94%	83%	40-140%
321-60-8	2-Fluorobiphenyl	114%	101%	40-140%
3386-33-2	1-Chlorooctadecane	32% ^b	34% ^b	40-140%
580-13-2	2-Bromonaphthalene	118%	103%	40-140%

- (a) Confirmation run for surrogate recoveries.
(b) Outside control limits due to possible matrix interference. Confirmed by refractionation/reanalysts.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 105	Date Sampled:	03/31/17
Lab Sample ID:	MC50005-8F	Date Received:	04/03/17
Matrix:	AQ - Groundwater Filtered	Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony ^a	<6.0	6.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2
Arsenic ^a	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Barium ^a	66.9	50	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Beryllium ^a	<1.0	1.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Cadmium ^a	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Chromium ^a	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Lead ^a	3.3	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Mercury ^a	<0.20	0.20	ug/l	1	04/05/17	04/05/17	ANJ	SW846 7470A 4
Nickel ^a	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Selenium ^a	14.6	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Silver ^a	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Thallium ^a	<2.0	2.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Vanadium ^a	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Zinc ^a	293	20	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3

- (1) Instrument QC Batch: N:MA41712
(2) Instrument QC Batch: N:MA41731
(3) Prep QC Batch: N:MP99703
(4) Prep QC Batch: N:MP99709

(a) Analysis performed at SCS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW 106	Date Sampled:	03/31/17
Lab Sample ID:	MC50005-9	Date Received:	04/03/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D BY SIM		
Project:	SW846 3510C		
	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
I104344.D	1	04/08/17	DRY	04/05/17	OP49583	MSI3975

Initial Volume	Final Volume
Run #1 920 ml	1.0 ml
Run #2	

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.11	ug/l	
208-96-8	Acenaphthylene	ND	0.11	ug/l	
120-12-7	Anthracene	ND	0.11	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.054	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.054	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	ug/l	
218-01-9	Chrysene	ND	0.11	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	ug/l	
206-44-0	Fluoranthene	ND	0.11	ug/l	
86-73-7	Fluorene	ND	0.11	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.22	ug/l	
91-20-3	Naphthalene	0.26	0.22	ug/l	B
85-01-8	Phenanthrene	0.10	0.054	ug/l	B
129-00-0	Pyrene	ND	0.11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	0% ^a		26-121%
321-60-8	2-Fluorobiphenyl	118% ^b		28-107%
1718-51-0	Terphenyl d14	0% ^a		29-129%

(a) Surrogate standard not added. EPH extract analyzed.
(b) Outside control limits. Meets technical requirements.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 106	Date Sampled:	03/31/17
Lab Sample ID:	MC50005-9	Date Received:	04/03/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	MADEP EPH REV 1.1		
Project:	SW846 3510C		
	Magglore Somerville, 343 - 351 Summer Street, Somerville, MA		

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DE17341.D	1	04/07/17	AP	04/05/17	OP49582	GDE964

Initial Volume	Final Volume
Run #1 920 ml	2.0 ml
Run #2	

Extractable TPHC Ranges

CAS No.	Compound	Result	RL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	110	ug/l	
	C9-C18 Aliphatics	ND	110	ug/l	
	C19-C36 Aliphatics	ND	110	ug/l	
	C11-C22 Aromatics	ND	110	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		40-140%
321-60-8	2-Fluorobiphenyl	106%		40-140%
3386-33-2	1-Chlorooctadecane	40%		40-140%
580-13-2	2-Bromonaphthalene	110%		40-140%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-106	Date Sampled:	03/31/17
Lab Sample ID:	MC50005-9F	Date Received:	04/03/17
Matrix:	AQ - Groundwater Filtered	Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony ^a	< 6.0	6.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Arsenic ^a	< 3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Barium ^a	< 50	50	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Beryllium ^a	< 1.0	1.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Cadmium ^a	< 3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Chromium ^a	< 10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Lead ^a	< 3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Mercury ^a	< 0.20	0.20	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Nickel ^a	< 10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 7470A 4
Selenium ^a	< 10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Silver ^a	< 10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Thallium ^a	< 2.0	2.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Vanadium ^a	< 10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Zinc ^a	< 20	20	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3

- (1) Instrument QC Batch: N:MA41712
(2) Instrument QC Batch: N:MA41731
(3) Prep QC Batch: N:MP99703
(4) Prep QC Batch: N:MP99709

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW 107	Date Sampled:	03/31/17
Lab Sample ID:	MC50005-10	Date Received:	04/03/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D BY SIM		
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	I104345.D	1	04/08/17	DRY	04/05/17	OP49583	MSI3975

Run #1	Initial Volume	Final Volume
Run #2	910 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	0.14	0.11	ug/l	
208-96-8	Acenaphthylene	0.14	0.11	ug/l	
120-12-7	Anthracene	0.36	0.11	ug/l	
56-55-3	Benzo(a)anthracene	0.89	0.055	ug/l	
50-32-8	Benzo(a)pyrene	0.88	0.11	ug/l	
205-99-2	Benzo(b)fluoranthene	1.5	0.055	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.72	0.11	ug/l	
207-08-9	Benzo(k)fluoranthene	0.65	0.11	ug/l	
218-01-9	Chrysene	1.1	0.11	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.25	0.11	ug/l	
206-44-0	Fluoranthene	2.1	0.11	ug/l	
86-73-7	Fluorene	0.17	0.11	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	0.11	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.22	ug/l	
91-20-3	Naphthalene	0.31	0.22	ug/l	B
85-01-8	Phenanthrene	1.2	0.055	ug/l	
129-00-0	Pyrene	1.8	0.11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	0% ^a		26-121%
321-60-8	2-Fluorobiphenyl	106%		28-107%
1718-51-0	Terphenyl-d14	0% ^a		29-129%

(a) Surrogate standard not added. EPH extract analyzed.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-107	Date Sampled:	03/31/17
Lab Sample ID:	MC50005 10	Date Received:	04/03/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	MADEP EPH REV 1.1		
Project:	SW846 3510C Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DE17343.D	1	04/07/17	AP	04/05/17	OP49582	GDE964
Run #2							

Run #	Initial Volume	Final Volume
Run #1	910 ml	2.0 ml
Run #2		

Extractable TPHC Ranges

CAS No.	Compound	Result	RL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	110	ug/l	
	C9-C18 Aliphatics	ND	110	ug/l	
	C19-C36 Aliphatics	ND	110	ug/l	
	C11-C22 Aromatics	ND	110	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		40-140%
321-60-8	2-Fluorobiphenyl	104%		40-140%
3386-33-2	1-Chlorooctadecane	41%		40-140%
580-13-2	2-Bromonaphthalene	108%		40-140%

NID = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-107	Date Sampled:	03/31/17
Lab Sample ID:	MC50005 10F	Date Received:	04/03/17
Matrix:	AQ - Groundwater Filtered	Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony ^a	<6.0	6.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2
Arsenic ^a	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2
Barium ^a	<50	50	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Beryllium ^a	<1.0	1.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2
Cadmium ^a	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Chromium ^a	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2
Lead ^a	8.5	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Mercury ^a	<0.20	0.20	ug/l	1	04/05/17	04/05/17	ANJ	SW846 6010C 2
Nickel ^a	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 7170A 1
Selenium ^a	11.8	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Silver ^a	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2
Thallium ^a	<2.0	2.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3
Vanadium ^a	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C 2
Zinc ^a	<20	20	ug/l	1	04/05/17	04/06/17	ANJ	SW846 3010A 3

- (1) Instrument QC Batch: N:MA41712
- (2) Instrument QC Batch: N:MA41731
- (3) Prep QC Batch: N:MP99703
- (4) Prep QC Batch: N:MP99709

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Section 5

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- MCP Form
- MCP Form (SGS Accutest New Jersey)
- EPH Form
- Sample Tracking Chronicle
- QC Evaluation: MA MCP Limits

SGS Analytical of New England
60 Franklin Street, Suite 200
TEL: 508-481-8200 FAX: 508-481-7173
www.sgsusa.com

Client Reporting Information				Project Information				FED/ET Testing #				FED/ET Testing #			
Company Name	Project Name	Street	City	State	Zip	County	Project Number	Test Type	Test Method	Test Result	Test Date	Test Time	Test Location		
EnxcoTrac Ltd.	Maggiore Somerville	2 Marchant St. Suite #2	Somerville	MA	02143	Essex	343-351	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1		
Sharon MA 02143	Somerville MA	2 Marchant St. Suite #2	Somerville	MA	02143	Essex	343-351	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1		
J. Buttare jennifere@enxco.com	83.992000	2 Marchant St. Suite #2	Somerville	MA	02143	Essex	343-351	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1		
781-743-0074	83.992000	2 Marchant St. Suite #2	Somerville	MA	02143	Essex	343-351	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1		
L. Main, H. Havel	Jean Buttare	2 Marchant St. Suite #2	Somerville	MA	02143	Essex	343-351	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1		

Data Submittal Information				Data Submittal Information			
Sample ID	Sample Description	Sample Location	Sample Date	Sample Time	Sample Method	Sample Result	Sample Date
1	MW-1	3/11/17	11:10	11:10	11:10	11:10	11:10
2	MW-2	3/11/17	11:10	11:10	11:10	11:10	11:10
3	MW-3	3/11/17	11:10	11:10	11:10	11:10	11:10
4	MW-4	3/11/17	11:10	11:10	11:10	11:10	11:10
5	MW-5	3/11/17	11:10	11:10	11:10	11:10	11:10
6	MW-6	3/11/17	11:10	11:10	11:10	11:10	11:10
7	MW-7	3/11/17	11:10	11:10	11:10	11:10	11:10
8	MW-8	3/11/17	11:10	11:10	11:10	11:10	11:10
9	MW-9	3/11/17	11:10	11:10	11:10	11:10	11:10
10	MW-10	3/11/17	11:10	11:10	11:10	11:10	11:10

Data Submittal Information				Data Submittal Information			
Sample ID	Sample Description	Sample Location	Sample Date	Sample Time	Sample Method	Sample Result	Sample Date
1	MW-1	3/11/17	11:10	11:10	11:10	11:10	11:10
2	MW-2	3/11/17	11:10	11:10	11:10	11:10	11:10
3	MW-3	3/11/17	11:10	11:10	11:10	11:10	11:10
4	MW-4	3/11/17	11:10	11:10	11:10	11:10	11:10
5	MW-5	3/11/17	11:10	11:10	11:10	11:10	11:10
6	MW-6	3/11/17	11:10	11:10	11:10	11:10	11:10
7	MW-7	3/11/17	11:10	11:10	11:10	11:10	11:10
8	MW-8	3/11/17	11:10	11:10	11:10	11:10	11:10
9	MW-9	3/11/17	11:10	11:10	11:10	11:10	11:10
10	MW-10	3/11/17	11:10	11:10	11:10	11:10	11:10

SGS Accutest NE Sample Receipt Summary

Job Number: MC50005

Client: ENVIROTRAC

Project: MAGGIORE SOMERVILLE

Date / Time Received: 4/3/2017 1:56:00 PM

Delivery Method: SGS Courier

Airbill #s:

Cooler Temps (Initial/Adjusted): #1(3.3/2.8), #2(2.1/1.6)

Cooler Security

Y

or

N

1. Custody Seals Present

☐

2. Custody Seals Intact

☐

3. COC Present

☒

4. Smpl Dates/Time OK

☒

Cooler Temperature

Y

or

N

1. Temp criteria achieved

☒

2. Thermometer ID

IRGUNT

3. Cooler media

Ice (Bag)

4. No. Coolers

2

Sample Integrity - Documentation

Y

or

N

1. Sample labels present on bottles.

☒

2. Container labeling complete.

☒

3. Sample container label / COC agree

☒

Sample Integrity - Condition

Y

or

N

1. Sample rec'd within HT

☒

2. All containers accounted for:

☒

3. Condition of sample

Inact

Sample Integrity - Instructions

Y

or

N

1. Analysis requested is clear

☒

2. Bottles received for unspecified tests

☐

3. Sufficient volume rec'd for analysis

☒

4. Compositing instructions clear

☐

5. Filtering instructions clear

☒

Quality Control Preservation

Y

or

N

1. Trip Blank present / cooler.

☐

2. Trip Blank listed on COC

☐

3. Samples preserved properly

☒

4. VOCs headspace free

☐

Comments

MC50005: Chain of Custody
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SGS
ACCUTEST

Massachusetts Department
of Environmental Protection
Bureau of Waste Site Cleanup

WSC-CAM

Exhibit VII A

July 1, 2010

Revision No. 1

Final

Exhibit VII A-2: MassDEP Analytical Protocol Certification Form

MassDEP Analytical Protocol Certification Form

Laboratory Name: SGS Accutest- Marlborough

Project #: MC50005

Project Location: Maggiorre Somerville, 343 - 351 Summer Street, Somerville, MA

MADEP RTN

None

This form provides certifications for the following data set: list Laboratory Sample ID Numbers(s)
MC50005-1 through MC50005-10
MC50005-1F, through MC50005-10F

Matrices: Groundwater/Surface Water (X) Soil/Sediment () Drinking Water () Air () Other ()

CAM Protocol (check all that apply below)

8260 VOC () CAM IIA	7470/7471 Hg (X) CAM III B	MassDEP VPH () CAM IV A	8081 Pesticides () CAM V B	7196 Hex Cr () CAM VI B	Mass DEP APH CAM IX A
8270 SVOC (X) CAM II B	7010 Metals CAM III C	MassDEP EPH (X) CAM IV B	8151 Herbicides () CAM V C	8330 Explosives () CAM VIII A	TO-15 VOC CAM IX B
6010 Metals (X) CAM III A	6020 Metals CAM III D	8082 PCB () CAM V A	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate () CAM VIII B	

Affirmative Responses to Questions A Through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
E	VPH, EPH, APH, and TO-15 only a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications) b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

Responses to questions G, H, and I below is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocols	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data useability and representativeness requirements described in 310 CMR 40.1056(2)(k) and WSC-07-350.			
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

I the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:

Position: Laboratory Director

Printed Name: H. (Brad) Madadian

Date: 10-Apr-17

46 of 87
SGS
ACCUTEST



Massachusetts Department
of Environmental Protection
Bureau of Waste Site Cleanup

WSC-CAM
July 1, 2010
Final

Exhibit VII A

Revision No. 1

Exhibit VII A-2: MassDEP Analytical Protocol Certification Form

MassDEP Analytical Protocol Certification Form

Laboratory Name	Accutest Mid-Atlantic	Project #	MC50005		
Project Location #01074,	ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA	MADEP RTN	None		
This form provides certifications for the following data set: list Laboratory Sample ID Number(s) MC50005-10F MC50005-1F MC50005-2F MC50005-3F MC50005-4F MC50005-5F MC50005-6F MC50005-7F MC50005-8F MC50005-9F					
Matrices	Groundwater/Surface Water (X)	Soil/Sediment ()	Drinking Water ()	Air ()	Other ()
CAM Protocol (check all that apply below)					
8260 VOC ()	7470/7471 Hg (X)	MassDEP VPH ()	8081 Pesticides ()	7196 Hex Cr ()	Mass DEP APH ()
CAM IIIA	CAM III B	CAM IV A	CAM V B	CAM VI B	CAM IX A
8270 SVOC ()	7010 Metals ()	MassDEP EPH ()	8151 Herbicides ()	8330 Explosives ()	TO-15 VOC ()
CAM II B	CAM III C	CAM IV C	CAM V C	CAM VIII A	CAM IX B
6010 Metals (X)	6020 Metals ()	8082 PCB ()	9014 Total Cyanide/PAC ()	6860 Perchlorate ()	
CAM III A	CAM III D	CAM V A	CAM VI A	CAM VIII B	
Affirmative Responses to Questions A Through F are required for "Presumptive Certainty" status					
A	Were all samples received in a condition consistent with those described on the Chain-of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). <input type="checkbox"/> Yes <input type="checkbox"/> No b. APH and TO-15 Methods only: Was the complete analyte list reported for each method? <input type="checkbox"/> Yes <input type="checkbox"/> No				
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Responses to questions G, H, and I below is required for "Presumptive Certainty" status					
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocols? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40.1056(2)(k) and WSC-07-350.					
H	Were all QC performance standards specified in the CAM protocol(s) achieved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
All Negative responses must be addressed in an attached Environmental Laboratory case narrative.					
I the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.					
Signature:	Nancy F. Cole		Position:	Laboratory Director	
Printed Name:	Nancy F. Cole		Date:	07-Apr-17	

MADEP EPH FORM

Matrix	Aqueous <input checked="" type="checkbox"/>	Soil	Sediment	Other
Containers	Satisfactory <input checked="" type="checkbox"/>	Broken <input type="checkbox"/>	Leaking <input type="checkbox"/>	
Aqueous Preservatives	N/A	pH <= 2 <input checked="" type="checkbox"/>	pH > 2 <input type="checkbox"/>	
Temperature	Received on Ice <input type="checkbox"/>	Received at 4 Deg. C <input type="checkbox"/>	Other <input checked="" type="checkbox"/>	Rec'd at 28 Deg. C
Extraction Method	SW846 3510C			
Method for Targets:	MADEP EPH REV 1.1	Client ID: MW-1	Date Collected: 3/31/2017	Lab ID: MC50005-1
EPH Surrogate Stds.	Aliphatic 1-Chlorooctadecane	Date Extracted: 4/5/2017 2:30:00 PM	First Date Run: 4/7/2017	Last Date Run: N/A
EPH Fractionation	Aromatic o-Terphenyl	% Solids: N/A	Low Dilution: 1	High Dilution: N/A
Surrogate Standards:	2-Fluorobiphenyl			
	2-Bromonaphthalene			
Unadjusted Ranges	CAS #	Units	Result	RDL
C11-C22 Aromatics (Unadj.)		ug/l	ND *	110

Adjusted Ranges

C9-C18 Aliphatics	ug/l	ND *	110
C19-C36 Aliphatics	ug/l	ND *	110
C11-C22 Aromatics	ug/l	ND "	110
Surrogate Recoveries			Acceptance Range
1-Chlorooctadecane	%	55	40-140 %
o-Terphenyl	%	87	40-140 %
2-Fluorobiphenyl	%	105	40-140 %
2-Bromonaphthalene	%	107	40-140 %

Footnotes

- A Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
B Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
2 A "J" qualifier indicates an estimated value

Were all QA/QC procedures REQUIRED by the EPH Method followed? ☒ Yes ☐ No-Details Attached

Were all performance/acceptance standards for required QA/QC procedures achieved? ☒ Yes ☐ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Sect. 11.3? ☒ No ☐ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Signature

H. (Brad) Madadian

Position

Laboratory Director

Printed Name

H. (Brad) Madadian

Date

4/10/2017

MADEP EPH FORM

Matrix	Aqueous <input checked="" type="checkbox"/>	Soil <input type="checkbox"/>	Sediment <input type="checkbox"/>	Other <input type="checkbox"/>
Containers	Satisfactory <input checked="" type="checkbox"/>	Broken <input type="checkbox"/>	Leaking <input type="checkbox"/>	
Aqueous Preservatives	N/A	pH <= 2 <input checked="" type="checkbox"/>	pH > 2 <input type="checkbox"/>	Rec'd at 28 Deg. C
Temperature	Received on Ice	Received at 4 Deg. C	Other <input checked="" type="checkbox"/>	
Extraction Method	SW846 3510C			
Method for Ranges:	Client ID: MW-2			
Method for Targets:	MADEP EPH REV 1.1			
EPH Surrogate Sids.	Date Collected: 3/31/2017			
	Date Extracted: 4/5/2017 2:30:00 PM			
	First Date Run: 4/7/2017			
	Last Date Run: N/A			
EPH Fractionation	High Dilution: N/A			
Surrogate Standards:	Low Dilution: 1			
	% Solids: N/A			
Unadjusted Ranges	CAS #	Units	Result	RDL
C11-C22 Aromatics (Unadj.)		ug/l	ND ^A	110

Adjusted Ranges

C9-C18 Aliphatics	ug/l	ND ^A	110
C19-C36 Aliphatics	ug/l	ND ^A	110
C11-C22 Aromatics	ug/l	ND ^A	110
Surrogate Recoveries			Acceptance Range
1-Chlorooctadecane	%	51	40-140 %
o-Terphenyl	%	85	40-140 %
2-Fluorobiphenyl	%	95	40-140 %
2-Bromonaphthalene	%	98	40-140 %
Footnotes			
A	Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.		
B	Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analyses		
Z	A "J" qualifier indicates an estimated value		

Were all QA/QC procedures REQUIRED by the EPH Method followed?

☒ Yes ☐ No

No- Details Attached

Were all performance/acceptance standards for required QA/QC procedures achieved?

☒ Yes ☐ No

No- Details Attached

Were any significant modifications made to the EPH method, as specified in Sect. 11.3?

☒ Yes ☐ No

Yes- Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Signature

Printed Name

H. (Brad) Madadian

Position

Date

4/10/2017

Laboratory Director

MADEP EPH FORM

Matrix	Aqueous <input checked="" type="checkbox"/>	Soil <input type="checkbox"/>	Sediment <input type="checkbox"/>	Other <input type="checkbox"/>
Containers	Satisfactory <input checked="" type="checkbox"/>	Broken <input type="checkbox"/>	Leaking <input type="checkbox"/>	
Aqueous Preservatives	N/A	pH <= 2 <input checked="" type="checkbox"/>	pH > 2 <input type="checkbox"/>	Rec'd at 28 Deg. C
Temperature	Received on Ice	Received at 4 Deg. C	Other <input checked="" type="checkbox"/>	
Extraction Method	SW846 3510C			
Method for Ranges:	Client ID: MW-3			
Method for Targets:	MADEP EPH REV 1.1			
EPH Surrogate Sids.	Date Collected: 3/31/2017			
	Date Extracted: 4/5/2017 2:30:00 PM			
	First Date Run: 4/7/2017			
	Last Date Run: N/A			
EPH Fractionation	High Dilution: N/A			
Surrogate Standards:	Low Dilution: 1			
	% Solids: N/A			
Unadjusted Ranges	CAS #	Units	Result	RDL
C11-C22 Aromatics (Unadj.)		ug/l	ND ^A	110

Adjusted Ranges

C9-C18 Aliphatics	ug/l	ND ^A	110
C19-C36 Aliphatics	ug/l	ND ^A	110
C11-C22 Aromatics	ug/l	ND ^B	110
Surrogate Recoveries			Acceptance Range
1-Chlorooctadecane	%	47	40-140 %
o-Terphenyl	%	98	40-140 %
2-Fluorobiphenyl	%	113	40-140 %
2-Bromonaphthalene	%	117	40-140 %
Footnotes			
A	Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.		
B	Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analyses		
Z	A "J" qualifier indicates an estimated value		

Were all QA/QC procedures REQUIRED by the EPH Method followed?

☒ Yes ☐ No

No- Details Attached

Were all performance/acceptance standards for required QA/QC procedures achieved?

☒ Yes ☐ No

No- Details Attached

Were any significant modifications made to the EPH method, as specified in Sect. 11.3?

☒ Yes ☐ No

Yes- Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Signature

Printed Name

H. (Brad) Madadian

Position

Date

4/10/2017

Laboratory Director

MADEP EPH FORM

Matrix	Aqueous	Soil	Sediment	Other
Containers	Satisfactory	Broken	Leaking	
Aqueous Preservatives	N/A	pH <= 2	pH > 2	
Temperature	Received on Ice	Received at 4 Deg. C	Other	Rec'd at 2.8 Deg. C
Extraction Method	SW846 3510C			
Method for Ranges:	MADEP EPH REV 1.1	Client ID: MW-103	Lab ID: MC50005-4	
Method for Targets:	MADEP EPH REV 1.1	Date Collected: 3/31/2017	Date Received: 4/3/2017	
EPH Surrogate Sids.	Aliphatic 1-Chlorooctadecane	Date Extracted: 4/5/2017 2:30:00 PM	First Date Run: 4/7/2017	Last Date Run: N/A
EPH Fractionation	Aromatic o-Terphenyl	% Solids: N/A	Low Dilution: 1	High Dilution: N/A
EPH Surrogate Standards.	2-Fluorobiphenyl			
	2-Bromonaphthalene			
Unadjusted Ranges	CAS #	Units	Result	RDL
C11-C22 Aromatics (Unadj)		ug/l	ND ^	110

Adjusted Ranges	C9-C18 Aliphatics	ug/l	ND ^	110
	C19-C36 Aliphatics	ug/l	ND ^	110
	C11-C22 Aromatics	ug/l	ND ^	110
Surrogate Recoveries	1-Chlorooctadecane	%	50	Acceptance Range 40-140 %
	o-Terphenyl	%	98	40-140 %
	2-Fluorobiphenyl	%	112	40-140 %
	2-Bromonaphthalene	%	116	40-140 %
Footnotes	A Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes			
	Z A 'J' qualifier indicates an estimated value			

Were all QA/QC procedures REQUIRED by the EPH Method followed? ☒ Yes ☐ No-Details Attached

Were all performance/acceptance standards for required QA/QC procedures achieved? ☒ Yes ☐ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Sect. 11.3? ☒ No ☐ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Signature H. (Brad) Madadian Position Laboratory Director

Printed Name H. (Brad) Madadian Date 4/10/2017

MADEP EPH FORM

Matrix	Aqueous	Soil	Sediment	Other
Containers	Satisfactory	Broken	Leaking	
Aqueous Preservatives	N/A	pH <= 2	pH > 2	
Temperature	Received on Ice	Received at 4 Deg. C	Other	Rec'd at 2.8 Deg. C
Extraction Method	SW846 3510C			
Method for Ranges:	MADEP EPH REV 1.1	Client ID: MW-108	Lab ID: MC50005-5	
Method for Targets:	MADEP EPH REV 1.1	Date Collected: 3/31/2017	Date Received: 4/3/2017	
EPH Surrogate Sids.	Aliphatic 1-Chlorooctadecane	Date Extracted: 4/5/2017 2:30:00 PM	First Date Run: 4/7/2017	Last Date Run: N/A
EPH Fractionation	Aromatic o-Terphenyl	% Solids: N/A	Low Dilution: 1	High Dilution: N/A
EPH Surrogate Standards.	2-Fluorobiphenyl			
	2-Bromonaphthalene			
Unadjusted Ranges	CAS #	Units	Result	RDL
C11-C22 Aromatics (Unadj)		ug/l	ND ^	110

Adjusted Ranges	C9-C18 Aliphatics	ug/l	ND ^	110
	C19-C36 Aliphatics	ug/l	ND ^	110
	C11-C22 Aromatics	ug/l	ND ^	110
Surrogate Recoveries	1-Chlorooctadecane	%	46	Acceptance Range 40-140 %
	o-Terphenyl	%	88	40-140 %
	2-Fluorobiphenyl	%	104	40-140 %
	2-Bromonaphthalene	%	108	40-140 %
Footnotes	A Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes			
	Z A 'J' qualifier indicates an estimated value			

Were all QA/QC procedures REQUIRED by the EPH Method followed? ☒ Yes ☐ No-Details Attached

Were all performance/acceptance standards for required QA/QC procedures achieved? ☒ Yes ☐ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Sect. 11.3? ☒ No ☐ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Signature H. (Brad) Madadian Position Laboratory Director

Printed Name H. (Brad) Madadian Date 4/10/2017

MADEP EPH FORM

Matrix	Aqueous	Soil	Sediment	Other
Containers	Satisfactory	Broken	Leaking	
Aqueous Preservatives	N/A	pH <= 2	pH > 2	
Temperature	Received at 4 Deg. C			
Extraction Method	SW846 3510C			
Method for Ranges:	Client ID: B-2/MW			
Method for Targets:	Date Collected: 3/31/2017			
EPH Surrogate Stds	Date Extracted: 4/7/2017			
EPH Fractionation	Low Dilution: 1			
Surrogate Standards:	High Dilution: N/A			
Unadjusted Ranges	CAS #	Units	Result	RDL
C11-C22 Aromatics (Unadj.)		ug/l	ND ^	110

Adjusted Ranges				
C9-C18 Aliphatics	ug/l	ND ^	110	
C19-C36 Aliphatics	ug/l	ND ^	110	
C11-C22 Aromatics	ug/l	ND ^	110	
Surrogate Recoveries				
1-Chlorooctadecane	%	39 ^	40-140 %	
1-Chlorooctadecane	%	35 ^	40-140 %	
o-Terphenyl	%	87	40-140 %	
o-Terphenyl	%	95	40-140 %	
2-Fluorobiphenyl	%	98	40-140 %	
2-Fluorobiphenyl	%	109	40-140 %	
2-Bromonaphthalene	%	102	40-140 %	
2-Bromonaphthalene	%	113	40-140 %	
Footnotes				
A Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range				
B Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes				
C Outside control limits due to possible matrix interference. Confirmed by re-fractionation/reanalysis.				
Z A "J" qualifier indicates an estimated value				

Were all QA/QC procedures REQUIRED by the EPH Method followed? ☒ Yes ☐ No-Details Attached

Were all performance/acceptance standards for required QA/QC procedures achieved? ☐ Yes ☒ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Sect. 11.3? ☒ No ☐ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Signature *H. (Brad) Madadian* Position Laboratory Director

Printed Name H. (Brad) Madadian Date 4/10/2017



MADEP EPH FORM

Matrix	Aqueous	Soil	Sediment	Other
Containers	Satisfactory	Broken	Leaking	
Aqueous Preservatives	N/A	pH <= 2	pH > 2	
Temperature	Received at 4 Deg. C			
Extraction Method	SW846 3510C			
Method for Ranges:	Client ID: B-3/MW			
Method for Targets:	Date Collected: 3/31/2017			
EPH Surrogate Stds	Date Extracted: 4/5/2017 2:30:00 PM			
EPH Fractionation	Low Dilution: 1			
Surrogate Standards:	High Dilution: N/A			
Unadjusted Ranges	CAS #	Units	Result	RDL
C11-C22 Aromatics (Unadj.)		ug/l	ND ^	110

Adjusted Ranges				
C9-C18 Aliphatics	ug/l	ND ^	110	
C19-C36 Aliphatics	ug/l	ND ^	110	
C11-C22 Aromatics	ug/l	ND ^	110	
Surrogate Recoveries				
1-Chlorooctadecane	%	43	40-140 %	
o-Terphenyl	%	98	40-140 %	
2-Fluorobiphenyl	%	120	40-140 %	
2-Bromonaphthalene	%	122	40-140 %	
Footnotes				
A Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range				
B Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes				
Z A "J" qualifier indicates an estimated value				

Were all QA/QC procedures REQUIRED by the EPH Method followed? ☒ Yes ☐ No-Details Attached

Were all performance/acceptance standards for required QA/QC procedures achieved? ☒ Yes ☐ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Sect. 11.3? ☒ No ☐ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Signature *H. (Brad) Madadian* Position Laboratory Director

Printed Name H. (Brad) Madadian Date 4/10/2017



MADEP EPH FORM

Matrix	Aqueous	Soil	Sediment	Other
Containers	Satisfactory	Broken	Leaking	
Aqueous Preservatives	N/A	pH <= 2	pH > 2	
Temperature	Received on Ice	Received at 4 Deg. C	Other	Rec'd at 2.8 Deg. C
Extraction Method	SW846 3510C			
Method for Ranges:	MADEP EPH REV 1.1			
Method for Targets:	MADEP EPH REV 1.1			
EPH Surrogate Stds.	Aliphatic 1-Chlorooctadecane			
EPH Fractionation	Aromatic o-Terphenyl			
Surrogate Standards.	2-Fluorobiphenyl			
	2-Bromonaphthalene			
Unadjusted Ranges	CAS #	Units	Result	RDL
C11-C22 Aromatics (Unadj.)		ug/l	ND ^	110
				g

Client ID: MW-105
Date Collected: 3/31/2017
Date Received: 4/3/2017
Date Extracted: 4/7/2017
First Date Run: 04/10/17
Last Date Run: 04/10/17
% Solids: N/A
Low Dilution: 1
High Dilution: N/A

Adjusted Ranges

C9-C18 Aliphatics	ug/l	ND ^	110
C19-C36 Aliphatics	ug/l	ND ^	110
C11-C22 Aromatics	ug/l	ND ^	110
Surrogate Recoveries			
1-Chlorooctadecane	%	34 ^	40-140 %
1-Chlorooctadecane	%	32 ^	40-140 %
o-Terphenyl	%	83	40-140 %
o-Terphenyl	%	94	40-140 %
2-Fluorobiphenyl	%	101	40-140 %
2-Fluorobiphenyl	%	114	40-140 %
2-Bromonaphthalene	%	103	40-140 %
2-Bromonaphthalene	%	118	40-140 %

Footnotes

- A Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
- B Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes
- C Outside control limits due to possible matrix interference. Confirmed by refractionation/reanalysis.
- Z A "J" qualifier indicates an estimated value

Were all QA/QC procedures REQUIRED by the EPH Method followed?

Were all performance/acceptance standards for required QA/QC procedures achieved?

Were any significant modifications made to the EPH method, as specified in Sect. 11.3?

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Signature

Printed Name

H. (Brad) Madadian

Position

Date

4/10/2017

Laboratory Director

MADEP EPH FORM

Matrix	Aqueous <input checked="" type="checkbox"/>	Soil <input type="checkbox"/>	Sediment <input type="checkbox"/>	Other <input type="checkbox"/>
Containers	Satisfactory <input checked="" type="checkbox"/>	Broken <input type="checkbox"/>	Leaking <input type="checkbox"/>	
Aqueous Preservatives	N/A	pH <= 2 <input checked="" type="checkbox"/>	pH > 2 <input type="checkbox"/>	
Temperature	Received on Ice <input type="checkbox"/>	Received at 4 Deg. C <input type="checkbox"/>	Other <input checked="" type="checkbox"/>	Rec'd at 2.8 Deg. C
Extraction Method	SW846 3510C			
Method for Ranges:	Client ID: MW-107 MADEP EPH REV 1.1 Date Collected: 3/31/2017 Lab ID: MC50005-10			
Method for Targets:	Date Extracted: 4/5/2017 2:30:00 PM First Date Run: 4/7/2017 Last Date Run: N/A			
EPH Surrogate Stds:	Aliphatic: 1-Chlorooctadecane Aromatic: o-Terphenyl Low Dilution: N/A High Dilution: N/A			
EPH Fractionation	2-Fluorobiphenyl 1			
Surrogate Standards:	2-Bromonaphthalene			
Unadjusted Ranges	CAS #	Units	Result	RDL
C11-C22 Aromatics (Unadj.)		ug/l	ND ^	110

Adjusted Ranges		ug/l	ND ^	110
C9-C18 Aliphatics				
C19-C36 Aliphatics				
C11-C22 Aromatics				
Surrogate Recoveries			Acceptance Range	
1-Chlorooctadecane	%	41	40-140 %	
o-Terphenyl	%	86	40-140 %	
2-Fluorobiphenyl	%	104	40-140 %	
2-Bromonaphthalene	%	108	40-140 %	
Footnotes				
A	Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range			
B	Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes			
Z	A ^Z qualifier indicates an estimated value			

Were all QA/QC procedures REQUIRED by the EPH Method followed? ☒ Yes ☐ No- Details Attached

Were all performance/acceptance standards for required QA/QC procedures achieved? ☒ Yes ☐ No- Details Attached

Were any significant modifications made to the EPH method, as specified in Sect. 11.3? ☒ No ☐ Yes- Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Signature H. (Brad) Madadian Position Laboratory Director Date 4/10/2017

Printed Name H. (Brad) Madadian

SGS Accutest

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: MC50005
Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC50005-1 MW-1	Collected: 31-MAR-17 11:16	By: LMHH	Received: 03-APR-17	By: TF		
MC50005-1	MADEP EPH REV 1.1 07-APR-17 17:48	AP	05-APR-17	AJ	BMAEPHR	
MC50005-1	SW846 8270D BY SIM 08-APR-17 10:34	DRY	05-APR-17	AJ	B8270SIMPAAH	
MC50005-2 MW-2	Collected: 31-MAR-17 10:14	By: LMHH	Received: 03-APR-17	By: TF		
MC50005-2	MADEP EPH REV 1.1 07-APR-17 18:16	AP	05-APR-17	AJ	BMAEPHR	
MC50005-2	SW846 8270D BY SIM 08-APR-17 11:00	DRY	05-APR-17	AJ	B8270SIMPAAH	
MC50005-3 MW-3	Collected: 31-MAR-17 08:34	By: LMHH	Received: 03-APR-17	By: TF		
MC50005-3	MADEP EPH REV 1.1 07-APR-17 18:43	AP	05-APR-17	AJ	BMAEPHR	
MC50005-3	SW846 8270D BY SIM 08-APR-17 11:27	DRY	05-APR-17	AJ	B8270SIMPAAH	
MC50005-4 MW-103	Collected: 31-MAR-17 09:21	By: LMHH	Received: 03-APR-17	By: TF		
MC50005-4	MADEP EPH REV 1.1 07-APR-17 19:11	AP	05-APR-17	AJ	BMAEPHR	
MC50005-4	SW846 8270D BY SIM 08-APR-17 11:53	DRY	05-APR-17	AJ	B8270SIMPAAH	
MC50005-5 MW-108	Collected: 31-MAR-17 12:23	By: LMHH	Received: 03-APR-17	By: TF		
MC50005-5	MADEP EPH REV 1.1 07-APR-17 19:39	AP	05-APR-17	AJ	BMAEPHR	
MC50005-5	SW846 8270D BY SIM 08-APR-17 12:20	DRY	05-APR-17	AJ	B8270SIMPAAH	
MC50005-6 B-2/MW	Collected: 31-MAR-17 10:31	By: LMHH	Received: 03-APR-17	By: TF		
MC50005-6	MADEP EPH REV 1.1 07-APR-17 20:07	AP	05-APR-17	AJ	BMAEPHR	
MC50005-6	SW846 8270D BY SIM 08-APR-17 12:46	DRY	05-APR-17	AJ	B8270SIMPAAH	
MC50005-6	MADEP EPH REV 1.1 10-APR-17 08:52	AP	05-APR-17	AJ	BMAEPHR	
MC50005-7 B-3/MW	Collected: 31-MAR-17 11:33	By: LMHH	Received: 03-APR-17	By: TF		

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.
Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC50005

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC50005-7	MADEP EPH REV 1.1	07-APR-17 20:35	AP	05-APR-17	AJ	BMAEPHR
MC50005-7	SW846 8270D BY SIM	08-APR-17 13:12	DRY	05-APR-17	AJ	B8270SIMPAH
MC50005 8	Collected: 31 MAR-17 12:19	By: LMHH	Received: 03-APR-17	By: TF		
MW 105						
MC50005 8	MADEP EPH REV 1.1	07-APR-17 21:03	AP	05-APR-17	AJ	BMAEPHR
MC50005-8	SW846 8270D BY SIM	08-APR-17 13:39	DRY	05-APR-17	AJ	B8270SIMPAH
MC50005 8	MADEP EPH REV 1.1	10-APR-17 09:20	AP	05-APR-17	AJ	BMAEPHR
MC50005 9	Collected: 31-MAR-17 09:37	By: LMHH	Received: 03-APR-17	By: TF		
MW-106						
MC50005-9	MADEP EPH REV 1.1	07-APR-17 21:31	AP	05-APR-17	AJ	BMAEPHR
MC50005-9	SW846 8270D BY SIM	08-APR-17 14:05	DRY	05-APR-17	AJ	B8270SIMPAH
MC50005-10	Collected: 31-MAR-17 08:45	By: LMHH	Received: 03-APR-17	By: TF		
MW-107						
MC50005-10	MADEP EPH REV 1.1	07-APR-17 22:27	AP	05-APR-17	AJ	BMAEPHR
MC50005-10	SW846 8270D BY SIM	08-APR-17 14:31	DRY	05-APR-17	AJ	B8270SIMPAH
MC50005 10	Collected: 31-MAR-17 11:16	By: LMHH	Received: 03-APR-17	By: TF		
MW-1						
MC50005-11	SW846 7470A	05-APR-17 13:46	ANJ	05-APR-17	ANJ	HG
MC50005-11	SW846 6010C	06-APR-17 18:55	ANJ	05-APR-17	ANJ	AG,AS,BA,BE,CD,CR,NI,PB,SB,SE,TL,V,ZN
MC50005 20	Collected: 31 MAR-17 10:14	By: LMHH	Received: 03-APR-17	By: TF		
MW-2						
MC50005-21	SW846 7470A	05-APR-17 13:48	ANJ	05-APR-17	ANJ	HG
MC50005-21	SW846 6010C	06-APR-17 18:58	ANJ	05-APR-17	ANJ	AG,AS,BA,BE,CD,CR,NI,PB,SB,SE,TL,V,ZN
MC50005 30	Collected: 31 MAR-17 08:34	By: LMHH	Received: 03-APR-17	By: TF		
MW-3						
MC50005-31	SW846 7470A	05-APR-17 13:49	ANJ	05-APR-17	ANJ	HG

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.
Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC50005

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC50005-31	SW846 6010C	06-APR-17 19:01	ANJ	05-APR-17	ANJ	AG,AS,BA,BE,CD,CR,NI,PB,SB,SE,TL,V,ZN
MC50005-40	Collected: 31-MAR-17 09:21	By: LMHH	Received: 03-APR-17	By: TF		
MW-103						
MC50005-41	SW846 7470A	05-APR-17 13:50	ANJ	05-APR-17	ANJ	HG
MC50005-41	SW846 6010C	06-APR-17 19:04	ANJ	05-APR-17	ANJ	AG,AS,BA,BE,CD,CR,NI,PB,SB,SE,TL,V,ZN
MC50005-50	Collected: 31-MAR-17 12:23	By: LMHH	Received: 03-APR-17	By: TF		
MW-108						
MC50005-51	SW846 7470A	05-APR-17 13:55	ANJ	05-APR-17	ANJ	HG
MC50005-51	SW846 6010C	06-APR-17 19:12	ANJ	05-APR-17	ANJ	AG,AS,BA,BE,CD,CR,NI,PB,SB,SE,TL,V,ZN
MC50005-60	Collected: 31-MAR-17 10:31	By: LMHH	Received: 03-APR-17	By: TF		
B-2/MW						
MC50005-61	SW846 7470A	05-APR-17 13:56	ANJ	05-APR-17	ANJ	HG
MC50005-61	SW846 6010C	06-APR-17 19:15	ANJ	05-APR-17	ANJ	AG,AS,BA,BE,CD,CR,NI,PB,SB,SE,TL,V,ZN
MC50005-70	Collected: 31-MAR-17 11:33	By: LMHH	Received: 03-APR-17	By: TF		
B-3/MW						
MC50005-71	SW846 7470A	05-APR-17 13:57	ANJ	05-APR-17	ANJ	HG
MC50005-71	SW846 6010C	06-APR-17 19:18	ANJ	05-APR-17	ANJ	AG,AS,BA,BE,CD,CR,NI,PB,SB,SE,TL,V,ZN
MC50005-80	Collected: 31-MAR-17 12:19	By: LMHH	Received: 03-APR-17	By: TF		
MW-105						
MC50005-81	SW846 7470A	05-APR-17 13:58	ANJ	05-APR-17	ANJ	HG
MC50005-81	SW846 6010C	06-APR-17 19:20	ANJ	05-APR-17	ANJ	AG,AS,BA,BE,CD,CR,NI,PB,SB,SE,TL,V,ZN

Job Number: MC50005
Account: EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/31/17

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Magglore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Job No: MC50005

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
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MC50005-9ICollected: 31-MAR-17 09:37 By: LMHH Received: 03-APR-17 By: TF
MW-106

MC50005-9ISW846 7470A 05-APR-17 14:00 ANJ 05-APR-17 ANJ HG
MC50005 9ISW846 6010C 06-APR-17 19:23 ANJ 05-APR-17 ANJ AG,AS,BA,BE,CD,CR,NI,PB,SB,SE,TL,V,ZN

MC50005-10ICollected: 31-MAR-17 08:45 By: LMHH Received: 03 APR 17 By: TF
MW-107

MC50005-10ISW846 7470A 05 APR 17 14:01 ANJ 05-APR-17 ANJ HG
MC50005 10ISW846 6010C 06-APR-17 19:26 ANJ 05-APR-17 ANJ AG,AS,BA,BE,CD,CR,NI,PB,SB,SE,TL,V,ZN

* Sample used for QC is not from job MC50005



Section 6

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC50005
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49583-MB	I104309.D	1	04/06/17	DRY	04/05/17	OP49583	MSI3973

The QC reported here applies to the following samples:

Method: SW846 8270D BY SIM

MC50005-1, MC50005-2, MC50005-3, MC50005-4, MC50005-5, MC50005-6, MC50005-7, MC50005-8, MC50005-9, MC50005-10

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.10	ug/l	
208-96-8	Acenaphthylene	ND	0.10	ug/l	
120-12-7	Anthracene	ND	0.10	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.10	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.10	ug/l	
218-01-9	Chrysene	ND	0.10	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	ug/l	
206-44-0	Fluoranthene	ND	0.10	ug/l	
86-73-7	Fluorene	ND	0.10	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.20	ug/l	
91-20-3	Naphthalene	0.18	0.20	ug/l	J
85-01-8	Phenanthrene	0.027	0.050	ug/l	J
129-00-0	Pyrene	ND	0.10	ug/l	

CAS No.	Surrogate Recoveries	Limits
4165-60-0	Nitrobenzene-d5	0%* a 26-121%
321-60-8	2-Fluorobiphenyl	92% 28-107%
1718-51-0	Terphenyl d14	0%* a 29-129%

(a) Surrogate standard not added. EPH extract analyzed.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC50005
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49583-BS	1104307.D	1	04/06/17	DRY	04/05/17	OP49583	MSI3973
OP49583-BSD	1104308.D	1	04/06/17	DRY	04/05/17	OP49583	MSI3973

The QC reported here applies to the following samples:

MC50005-1, MC50005-2, MC50005-3, MC50005-4, MC50005-5, MC50005-6, MC50005-7, MC50005-8, MC50005-9, MC50005-10

Method: SW846 8270D BY SIM

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	50	41.5	83	43.3	87	4	45-116/30
208-96-8	Acenaphthylene	50	44.1	88	46.8	94	6	34-110/30
120-12-7	Anthracene	50	40.9	82	40.8	82	0	50-117/30
56-55-3	Benzo(a)anthracene	50	42.8	86	42.5	85	1	55-139/30
50-32-8	Benzo(a)pyrene	50	42.6	85	43.1	86	1	48-131/30
205-99-2	Benzo(b)fluoranthene	50	47.3	95	45.9	92	3	49-141/30
191-24-2	Benzo(g,h,i)perylene	50	47.5	95	48.6	97	2	60-130/30
207-08-9	Benzo(k)fluoranthene	50	45.0	90	46.3	93	3	49-133/30
218-01-9	Chrysene	50	43.1	86	44.2	88	3	52-128/30
53-70-3	Dibenzo(a,h)anthracene	50	45.2	90	46.4	93	3	60-136/30
206-44-0	Fluoranthene	50	41.5	83	40.4	81	3	46-132/30
86-73-7	Fluorene	50	45.3	91	46.1	92	2	53-120/30
193-39-5	Indeno(1,2,3-cd)pyrene	50	46.7	93	46.8	94	0	57-134/30
91-57-6	2-Methylnaphthalene	50	32.2	64	34.7	69	7	36-111/30
91-20-3	Naphthalene	50	29.5	59	32.4	65	9	32-116/30
85-01-8	Phenanthrene	50	39.0	78	39.8	80	2	50-120/30
129-00-0	Pyrene	50	40.1	80	39.1	78	3	48-127/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
4165-60-0	Nitrobenzene-d5	0%* a	0%* a	26-121%
321-60-8	2-Fluorobiphenyl	99%	99%	28-107%
1718-51-0	Terphenyl-d14	0%* a	0%* a	29-129%

(a) Surrogate standard not added. EPH extract analyzed.

* = Outside of Control Limits.

Semivolatiles Internal Standard Area Summary

Job Number: MC50005
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Check Std:	MSI3973 CC3952	Injection Date:	04/06/17
Lab File ID:	1104297.D	Injection Time:	09:36
Instrument ID:	GCMSI	Method:	SW846 8270D BY SIM

	IS 1	IS 2	IS 3	IS 4	IS 5	IS 6
	AREA	RT	AREA	RT	AREA	RT
Check Std	17438	4.21	50688	5.25	38844	6.77
Upper Limit ^a	34876	4.71	101376	5.75	77688	7.27
Lower Limit ^b	8719	3.71	25344	4.75	19422	6.27

Lab Sample ID	IS 1	IS 2	IS 3	IS 4	IS 5	IS 6
	AREA	RT	AREA	RT	AREA	RT
ZZZZZZ	14136	4.21	40957	5.25	29148	6.78
ZZZZZZ	13074	4.21	39266	5.26	33310	6.78
OP49583-BS	14362	4.20	44940	5.25	32688	6.78
OP49583-BSD	15508	4.20	47881	5.25	34868	6.78
OP49583-MB	13380	4.20	41423	5.25	29835	6.78
ZZZZZZ	11634	4.20	36545	5.26	26847	6.77
ZZZZZZ	14063	4.20	43916	5.25	31385	6.78
ZZZZZZ	11842	4.20	37471	5.25	27081	6.78

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.

(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatiles Internal Standard Area Summary

Job Number: MC50005
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Job Number: MC50005
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Check Std:	MSI3975-CC3952	Injection Date:	04/08/17
Lab File ID:	I104334.D	Injection Time:	09:22
Instrument ID:	GCMS1	Method:	SW846 8270D BY SIM

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Check Std	17882	4.21	52459	5.26	39606	6.77	43750	8.08	33298	11.14	54834	14.42
Upper Limit ^a	35764	4.71	104918	5.76	79212	7.27	87500	8.58	66596	11.64	109668	14.92
Lower Limit ^b	8941	3.71	26230	4.76	19803	6.27	21875	7.58	16649	10.64	27417	13.92
Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Z777ZZZ	11802	4.20	36848	5.25	26111	6.78	31893	8.08	25013	11.14	44951	14.43
MC50005-1	13245	4.20	39767	5.25	28315	6.78	35783	8.08	26954	11.14	46881	14.43
MC50005-2	11906	4.20	37057	5.25	26093	6.78	32773	8.08	24893	11.14	42940	14.43
MC50005-3	12277	4.20	36944	5.26	26346	6.78	33200	8.08	25419	11.14	43009	14.43
MC50005-4	12867	4.20	38772	5.25	27253	6.77	33884	8.08	25980	11.14	44016	14.42
MC50005-5	14383	4.20	44409	5.25	31256	6.77	38753	8.08	29652	11.14	50415	14.42
MC50005-6	12331	4.20	37316	5.25	26261	6.78	32796	8.08	24786	11.14	41324	14.43
MC50005-7	14046	4.20	42497	5.25	29794	6.78	37622	8.08	28680	11.14	47852	14.42
MC50005-8	16621	4.20	50746	5.25	34897	6.77	44529	8.08	33685	11.14	55845	14.42
MC50005-9	12711	4.20	38232	5.25	27145	6.78	34265	8.08	26359	11.14	43746	14.43
MC50005-10	14068	4.20	43534	5.25	30464	6.77	38742	8.08	29708	11.14	49500	14.42

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = - 50% of check standard area; Retention time - 0.5 minutes.

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC50005-1	I104336.D	0* a	108* b	0* a
MC50005-2	I104337.D	0* a	110* b	0* a
MC50005-3	I104338.D	0* a	109* b	0* a
MC50005-4	I104339.D	0* a	113* b	0* a
MC50005-5	I104340.D	0* a	93	0* a
MC50005-6	I104341.D	0* a	116* b	0* a
MC50005-7	I104342.D	0* a	116* b	0* a
MC50005-8	I104343.D	0* a	103	0* a
MC50005-9	I104344.D	0* a	118* b	0* a
MC50005-10	I104345.D	0* a	106	0* a
OP49583-BS	I104307.D	0* a	99	0* a
OP49583-BSD	I104308.D	0* a	99	0* a
OP49583-MB	I104309.D	0* a	92	0* a

Surrogate Compounds
Recovery Limits
S1 = Nitrobenzene-d5
S2 = 2-Fluorobiphenyl
S3 = Terphenyl-d14
(a) Surrogate standard not added. EPH extract analyzed.
(b) Outside control limits. Meets technical requirements.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

The QC reported here applies to the following samples:

MC50005-1, MC50005-2, MC50005-3, MC50005-4, MC50005-5, MC50005-6, MC50005-7, MC50005-8, MC50005-9, MC50005-10

Method: MADEP EPH REV 1.1

CAS No. Compound Result RL Units Q

C11-C22 Aromatics (Unadj.) ND 100 ug/l
C9-C18 Aliphatics ND 100 ug/l
C19-C36 Aliphatics ND 100 ug/l
C11-C22 Aromatics ND 100 ug/l

CAS No. Surrogate Recoveries Limits

84 15 1 o Terphenyl 104% 40-140%
321 60 8 2 Fluorobiphenyl 127% 40-140%
3386 33 2 1 Chlorooctadecane 51% 40-140%
580-13-2 2-Bromonaphthalene 131% 40-140%

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC50005
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Page 1 of 1
Semivolatle Surrogate Recovery Summary
Job Number: MC50005
Account: ENVTRAC EnviroTrac, Ltd.
Project: Magglore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49582-BS	DE17319.D	1	04/06/17	AP	04/05/17	OP49582	GDF963
OP49582-BSD	DE17320.D	1	04/06/17	AP	04/05/17	OP49582	GDF963

The QC reported here applies to the following samples:

Method: MADEP EPH REV 1.1

MC50005-1, MC50005-2, MC50005-3, MC50005-4, MC50005-5, MC50005-6, MC50005-7, MC50005-8, MC50005-9, MC50005-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
C11-C22 Aromatics (Unadj.)		800	824	103	905	113	9	40-140/25
C9-C18 Aliphatics		300	161	54 ^a	164	55 ^a	2	40-140/25
C19-C36 Aliphatics		400	311	78	282	71	10	40-140/25

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
84-15-1	o-Terphenyl	79%	86%	40-140%
321-60-8	2-Fluorobiphenyl	95%	116%	40-140%
3386-33-2	1-Chlorooctadecane	49%	40%	40-140%
580-13-2	2-Bromonaphthalene	105%	116%	40-140%
Sample	Compound	Col #1	Col #2	Breakthrough Limit
OP49582-BS	2-Methylnaphthalene	25.5	ND	0.0%
OP49582-BS	Naphthalene	22.0	ND	0.0%
OP49582-BSD	2-Methylnaphthalene	34.2	ND	0.0%
OP49582-BSD	Naphthalene	30.1	ND	0.0%

(a) Recovery of n-nonane was <30% for laboratory control sample.

7.2.1

7

Method:	MADEP EPH REV 1.1	Matrix:	AQ
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Samples and QC shown here apply to the above method

Lab	Sample ID	Lab File ID	S1 ^a	S2 ^a	S3 ^b	S4 ^a
MC	MC50005-1	DE17333.D	87	105	55	107
	MC50005-2	DE17334.D	85	95	51	98
	MC50005-3	DE17335.D	98	113	47	117
	MC50005-4	DE17336.D	98	112	50	116
	MC50005-5	DE17337.D	88	104	46	108
	MC50005-6	DE17351.D	87	98	39* ^c	102
	MC50005-6	DE17338.D	95	109	35* ^c	113
	MC50005-7	DE17339.D	98	120	43	122
	MC50005-8	DE17352.D	83	101	34* ^c	103
	MC50005-8	DE17340.D	94	114	32* ^c	118
OP	MC50005-9	DE17341.D	88	106	40	110
	MC50005-10	DE17343.D	86	104	41	108
	OP49582-BS	DE17319.D	79	95	49	105
	OP49582-BSD	DE17320.D	86	116	40	116
OP	OP49582-MB	DE17321.D	104	127	51	131

Surrogate
Compounds

Recovery
Limits

S1 = o-Terphenyl
S2 = 2-Fluorobiphenyl
S3 = 1-Chlorooctadecane
S4 = 2-Bromonaphthalene

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2
(c) Outside control limits due to possible matrix interference. Confirmed by refractation/reanalysis.

* = Outside of Control Limits.

Misc. Forms

Custody Documents and Other Forms

(SGS Accutest New Jersey)

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- QC Evaluation: MA MCP Limits

SLCS

ACCUTEST

30 D'Angelo Drive, 4th Technology Center West, Billig City, Massachusetts, MA 01913
TEL: 508-481-4300 FAX: 508-481-7151

7273 7516 0913
MC50005

Client Reporting Information										Project Information										Requested Analysis (see TEST CODE sheet)										Materials																			
Company Name					Project Name					Address					City					State					Zip					Material					Test Code														
SOG Accutest					Magnum Somerville, 343 - 351 Summer Street, Somerville, MA					Somerville, MA					MA					02143					MC50005					SOG Accutest					SOG Accutest														
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SGS Accutest Sample Receipt Summary

Job Number: MC50005 Client: Project:
Date / Time Received: 4/4/2017 9:25:00 AM Delivery Method: Airbill #s:

Cooler Temps (Raw Measured) °C: Cooler 1: (1.5)
Cooler Temps (Corrected) °C: Cooler 1: (2.9).

Cooler Security		<u>Y</u>	<u>or</u>	<u>N</u>	<u>Y</u>	<u>or</u>	<u>N</u>	
1. Custody Seals Present		<input checked="" type="checkbox"/>		<input type="checkbox"/>	3. COC Present.			<input checked="" type="checkbox"/>
2. Custody Seals Intact		<input checked="" type="checkbox"/>		<input type="checkbox"/>	4. Snpl Dates/Time OK			<input checked="" type="checkbox"/>
Cooler Temperature		<u>Y</u>	<u>or</u>	<u>N</u>				
1. Temp criteria achieved		<input checked="" type="checkbox"/>		<input type="checkbox"/>				
2. Cooler temp verification				IR Gun				
3. Cooler media				Ice (Bag)				
4. No Coolers				1				
Sample Integrity - Documentation		<u>Y</u>	<u>or</u>	<u>N</u>				
1. Sample labels present on bottles		<input checked="" type="checkbox"/>		<input type="checkbox"/>				
2. Container labeling complete		<input checked="" type="checkbox"/>		<input type="checkbox"/>				
3. Sample container label / COC agree		<input checked="" type="checkbox"/>		<input type="checkbox"/>				
Sample Integrity - Condition		<u>Y</u>	<u>or</u>	<u>N</u>				
1. Sample recvd within HT		<input checked="" type="checkbox"/>		<input type="checkbox"/>				
2. All containers accounted for		<input checked="" type="checkbox"/>		<input type="checkbox"/>				
3. Condition of sample				Intact				
Sample Integrity - Instructions		<u>Y</u>	<u>or</u>	<u>N</u>				N/A
1. Analysis requested is clear		<input checked="" type="checkbox"/>		<input type="checkbox"/>				
2. Bottles received for unspecified tests		<input type="checkbox"/>		<input checked="" type="checkbox"/>				
3. Sufficient volume recvd for analysis		<input checked="" type="checkbox"/>		<input type="checkbox"/>				
4. Compositing instructions clear		<input type="checkbox"/>		<input type="checkbox"/>				<input checked="" type="checkbox"/>
5. Filtering instructions clear		<input type="checkbox"/>		<input type="checkbox"/>				<input checked="" type="checkbox"/>

Comments

EW059-02
Rev. Date: 12/1/16

MC50005: Chain of Custody
Page 2 of 2

SGS Accutest

Internal Sample Tracking Chronicle

SGS Accutest New England
Job No: MC50005
ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC50005-1ICollected: 31-MAR-17 11:16 By: LMHH Received: 03-APR-17 By: AS						
MW-1						
MC50005-1ISW846 7470A		05 APR 17 13:46	JA	05-APR-17	JA	HC
MC50005-1ISW846 6010C		06-APR-17 18:55	AB	05-APR-17	DM	AG,AS,BA,BE,CD,CR,NI,PB,SB,SE,TL,V,ZN
MC50005-2ICollected: 31-MAR 17 10:14 By: LMHH Received: 03-APR-17 By: AS						
MW-2						
MC50005-2ISW846 7470A		05 APR 17 13:48	JA	05-APR-17	JA	HC
MC50005-2ISW846 6010C		06-APR-17 18:58	AB	05 APR 17	DM	AG,AS,BA,BE,CD,CR,NI,PB,SB,SE,TL,V,ZN
MC50005-3ICollected: 31-MAR-17 08:34 By: LMHH Received: 03-APR-17 By: AS						
MW-3						
MC50005-3ISW846 7470A		05 APR-17 13:49	JA	05-APR-17	JA	HC
MC50005-3ISW846 6010C		06-APR-17 19:01	AB	05 APR 17	DM	AG,AS,BA,BE,CD,CR,NI,PB,SB,SE,TL,V,ZN
MC50005-4ICollected: 31-MAR 17 09:21 By: LMHH Received: 03-APR-17 By: AS						
MW-103						
MC50005-4ISW846 7470A		05 APR 17 13:50	JA	05-APR-17	JA	HC
MC50005-4ISW846 6010C		06 APR 17 19:04	AB	05-APR-17	DM	AG,AS,BA,BE,CD,CR,NI,PB,SB,SE,TL,V,ZN
MC50005-5ICollected: 31-MAR-17 12:23 By: LMHH Received: 03-APR-17 By: AS						
MW-108						
MC50005-5ISW846 7470A		05 APR 17 13:55	JA	05-APR-17	JA	HC
MC50005-5ISW846 6010C		06-APR-17 19:12	AB	05 APR-17	DM	AG,AS,BA,BE,CD,CR,NI,PB,SB,SE,TL,V,ZN
MC50005-6ICollected: 31-MAR-17 10:31 By: LMHH Received: 03-APR-17 By: AS						
B-2/MW						
MC50005-6ISW846 7470A		05-APR-17 13:56	JA	05-APR-17	JA	HC

QC Evaluation: MA MCP Limits

Job Number: MC50005
Account: SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/31/17

Internal Sample Tracking Chronicle

SGS Accutest New England
Job No: MC50005
ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
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MC50005-6ESW846 6010C 06-APR-17 19:15 AB 05-APR-17 DM AG,AS,BA,BE,CD,CR,NI,PB,SB,SE,TL,V,ZN

MC50005-7ECollected: 31-MAR-17 11:33 By: LMHH Received: 03-APR-17 By: AS
B 3/MW

MC50005-7ESW846 7470A 05-APR-17 13:57 JA 05-APR-17 JA HG
MC50005-7ESW846 6010C 06-APR-17 19:18 AB 05-APR-17 DM AG,AS,BA,BE,CD,CR,NI,PB,SB,SE,TL,V,ZN

MC50005-8ECollected: 31-MAR-17 12:19 By: LMHH Received: 03-APR-17 By: AS
MW-105

MC50005-8ESW846 7470A 05-APR-17 13:58 JA 05-APR-17 JA HG
MC50005-8ESW846 6010C 06-APR-17 19:20 AB 05-APR-17 DM AG,AS,BA,BE,CD,CR,NI,PB,SB,SE,TL,V,ZN

MC50005-9ECollected: 31-MAR-17 09:37 By: LMHH Received: 03-APR-17 By: AS
MW-106

MC50005-9ESW846 7470A 05-APR-17 14:00 JA 05-APR-17 JA HG
MC50005-9ESW846 6010C 06-APR-17 19:23 AB 05-APR-17 DM AG,AS,BA,BE,CD,CR,NI,PB,SB,SE,TL,V,ZN

MC50005-10ECollected: 31-MAR-17 08:45 By: LMHH Received: 03-APR-17 By: AS
MW-107

MC50005-10ESW846 7470A 05-APR-17 14:01 JA 05-APR-17 JA HG
MC50005-10ESW846 6010C 06-APR-17 19:26 AB 05-APR-17 DM AG,AS,BA,BE,CD,CR,NI,PB,SB,SE,TL,V,ZN

No Exceptions found.

* Sample used for QC is not from job MC50005

Section 9

BLANK RESULTS SUMMARY
Part 2 - Method Blank

Project: ENVRAC: Account: ALNE - SGS Accutest New England
Login Number: MC

Methods: 50836 6010C
Units: ug/l

QC Batch ID: ME99703
Matrix Type: AQUEOUS

04/28/2011

Metals Analysis

QC Data Summaries

(SGS Accutest New Jersey)

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

Metal	KL	IDL	MDL	lbs raw	final
Aluminum	200	10	21		
Antimony	6.0	2.5	3.3	1.4	<6.0
Arsenic	...	...	...	...	<5.0
Barium	200	.2	.44	0.0	<200
Beryllium	1.0	.1	.25	0.0	<1.0
Bismuth	20	2.1	2.9		
Boron	100	...	...
Cadmium	3.0	.3	.4	0.10	<3.0
Calcium	5000	32	33		
Chromium	10	.3	.81	0.10	<10
Cobalt	50	.4	.69		
Copper	10	2.4	2.4		
Iron	100	4.3	12		
Lead	3.0	2	2.3	1.0	<3.0
Lithium	...	...	4		
Magnesium	5000	34	85		
Manganese	10	1	.4		
Molybdenum	20	.4	.88		
Nickel	10	.6	.76	0.0	<10
Palladium	50	2	3.7		
Phosphorus	50	3.1	3.7		
Potassium	10000	36	120		
Selenium	10	5.1	4.1	-0.80	<10
Silicon	200	5.7	29		
Silver	10	.4	.88	0.20	<10
Sodium	10000	22	24		
Sulfur	50	6.6	6.9		
Strontium	10	.1	.22		
Thallium	2.0	1.9	1.9	-0.50	<2.0
Tin	10	2	2.3		
Titanium	10	.4	.99		
Tungsten	50	1.7	3.2		
Vanadium	50	.3	.66	-0.10	<50

Project: ENVTRAC; Account: ALNE - SGS Accutest New England
343 - 351 Summer Street, Somerville, MA
QC Batch ID: MP99703
Matrix Type: AQUEOUS
Methods: SW846 6010C
Units: ug/l

	BSP	Spiketot	QC	BSD	Spiketot	QC	BSD
Zinc	1980	2000	99.0	80-120			

Zirconium
Associated samples MP99703: MC50005-1F, MC50005-2F, MC50005-3F, MC50005-4F, MC50005-5F, MC50005-6F, MC50005-7F, MC50005-8F, MC50005-9F, MC50005-10F

Results < 1DL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Project: ENVTRAC; Account: ALNE - SGS Accutest New England
343 - 351 Summer Street, Somerville, MA
QC Batch ID: MP99703
Matrix Type: AQUEOUS
Methods: SW846 6010C
Units: ug/l

	JC40220-4F	Original	SDL 1:5	QC	QC
Antimony	0.00	0.00	NC	NC	
As	0.00	0.00	NC	NC	
Bismuth	1.1	167	2.1	2.1	
Beryllium	0.00	0.00	NC	NC	
Barium	0.300	0.00	100.0(a)	0-10	
Calcium					
Chromium	2.70	2.70	0.0	0-10	
Cobalt	anr				
Copper	anr				
Lead	0.00	0.00	100.0(a)	0-10	
Lithium					
Magnesium					
Manganese					
Molybdenum	anr				
Nickel	7.70	7.00	9.1	0-10	
Selenium					
Phosphorus					
Potassium					
Silver	1.10	0.00	100.0(a)	0-10	
Sodium					
Zinc					
Zirconium					

SERIAL DILUTION RESULTS SUMMARY

QC Batch ID: MP99703
Matrix Type: AQUEOUS
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Login Number: MC50005
Account: ALINE - SGS Accutest New England
Methods: SM846 6010C
Units: ug/l

Prep Date: 04/05/17

Metal	JC40220-4F			QC	
	Original	SDL 1:5	%DIF	Limits	
Zinc	0.00	0.00	NC	0-10	

Zirconium

Associated samples MP99703: MC50005-1F, MC50005-2F, MC50005-3F, MC50005-4F, MC50005-5F, MC50005-6F, MC50005-7F, MC50005-8F, MC50005-9F, MC50005-10F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anc) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

9.1.3

9

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

QC Batch ID: MP99709
Matrix Type: AQUEOUS
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Login Number: MC50005
Account: ALINE - SGS Accutest New England
Methods: SM846 7470A
Units: ug/l

Prep Date: 04/05/17

Metal	RL	IDL	MDL	MB	
				raw	final
Mercury	0.20	.056	.047	0.018	<0.20

Associated samples MP99709: MC50005-1F, MC50005-2F, MC50005-3F, MC50005-4F, MC50005-5F, MC50005-6F, MC50005-7F, MC50005-8F, MC50005-9F, MC50005-10F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anc) Analyte not requested

9.2.1

9

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Project: ENWTRAC: Maggiori Somerville, 343 - 351 Summer Street, Somerville, MA
QC Batch ID: MF99709
Matrix Type: AQUEOUS
Methods: SW846 7470A
Units: ug/l

Prep Date:		04/05/17				04/05/17			
Metal	BSP Result	Spikelot HGPW3	% Rec	QC Limits	BSD Result	Spikelot HGPW3	% Rec	BSD RPD	QC Limit
Mercury	1.8	2	90.0	80-120	2.1	2	105.0	15.4	

Associated samples MF99709: MC50005-1F, MC50005-2F, MC50005-3F, MC50005-4F, MC50005-5F, MC50005-6F, MC50005-7F, MC50005-8F, MC50005-9F, MC50005-10F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

9.2.2 9



